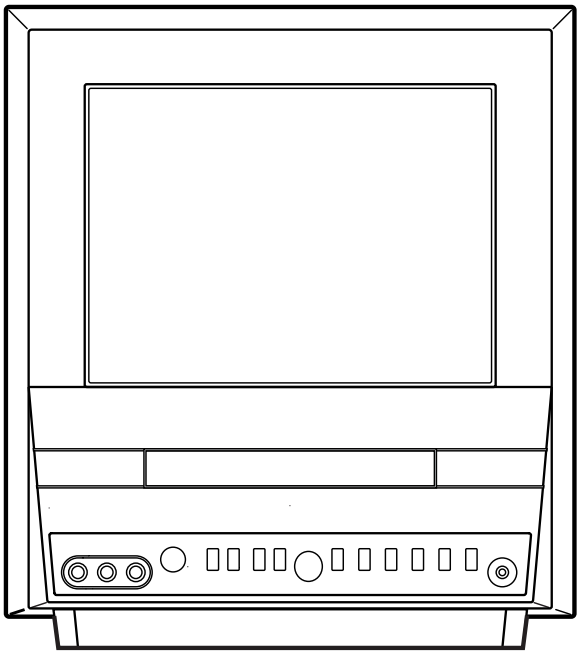
OWNER'S MANUAL

Emerson®

"EMERSON AND THE G-CLEF LOGO ARE REGISTERED TRADEMARKS
OF EMERSON RADIO CORP., PARSIPPANY, NEW JERSEY, U.S.A."

9-INCH COLOR TV/DVD

EWC09D5
EWC09D5 B



INSTRUCCIONES EN ESPAÑOL INCLUIDAS.

If you need additional assistance for set-up or operating after reading owner's manual, please call **TOLL FREE : 1-800-256-2487.**
Or visit our **WEB SITE** at **http://www.EmersonAudioVideo.com**

Please read before using this equipment

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WARNING:
TO REDUCE THE RISK OF FIRE OR ELECTRIC SHOCK, DO NOT EXPOSE THIS APPLIANCE TO RAIN OR MOISTURE.

CAUTION
RISK OF ELECTRIC SHOCK DO NOT OPEN

CAUTION: TO REDUCE THE RISK OF ELECTRIC SHOCK, DO NOT REMOVE COVER (OR BACK). NO USER SERVICEABLE PARTS INSIDE. REFER SERVICING TO QUALIFIED SERVICE PERSONNEL.

THIS SYMBOL INDICATES THAT DANGEROUS VOLTAGE CONSTITUTING A RISK OF ELECTRIC SHOCK IS PRESENT WITHIN THIS UNIT.

THIS SYMBOL INDICATES THAT THERE ARE IMPORTANT OPERATING AND MAINTENANCE INSTRUCTIONS IN THE LITERATURE ACCOMPANYING THE APPLIANCE.

The caution marking is located on the rear of the cabinet.

IMPORTANT SAFEGUARDS

1. **Read instructions-**All the safety and operating instructions should be read before the appliance is operated.
2. **Retain Instructions-**The safety and operating instructions should be retained for future reference.
3. **Heed Warnings**-All warnings on the appliance and in the operating instructions should be adhered to.
4. **Follow Instructions-**All operating and use instructions should be followed.
5. **Cleaning-**Unplug the unit from the wall outlet before cleaning. Do not use liquid cleaners or aerosol cleaners. Use a damp cloth for cleaning.
   EXCEPTION: A product that is meant for uninterrupted service and, that for some specific reason, such as the possibility of the loss of an authorization code for a CATV converter, is not intended to be unplugged by the user for cleaning or any other purpose, may exclude the reference to unplugging the appliance in the cleaning description otherwise required in item 5.
6. **Attachments-**Do not use attachments not recommended by the unit manufacturer as they may cause hazards.
7. **Water and Moisture-**Do not use this unit near water-for example, near a bath tub, wash bowl, kitchen sink, or laundry tub, in a wet basement, or near a swimming pool, and the like.
8. **Accessories-**Do not place this unit on an unstable cart, stand, tripod, bracket, or table. The unit may fall, causing serious injury to someone, and serious damage to the appliance. Use only with a cart, stand, tripod, bracket, or table recommended by the manufacturer, or sold with the unit. Any mounting of the appliance should follow the manufacturer's instructions and should use a mounting accessory recommended by the manufacturer. An appliance and cart combination should be moved with care.
   Quick stops, excessive force, and uneven surfaces may cause the appliance and cart combination to overturn.

PORTABLE CART WARNING
AVERTISSEMENT POUR UNE TABLE ROULANTE PORTATIVE

S3126A

Accessoires- Ne placez pas cet appareil sur une table roulante, un support, un trépied, une console ou une table instable. Cet appareil risquerait de tomber, pouvant gravement blesser quelqu'un et l'appareil même pourrait être sérieusement endommagé. N'utilisez qu'une table roulante, un support, un trépied, une console ou une table recommandé par le fabriquant, ou vendu avec l'appareil. Pour n'importe quelle installation de l'appareil, on devra suivre les instructions du fabriquant et l'on devra utiliser les accessoires d'installation recommandés par le fabriquant. L'ensemble combiné de l'appareil avec une table roulante devra être déplacé avec précaution. Des arrêts brusques, une force excessive et des surfaces inégales peuvent provoquer le renversement de l'ensemble combiné de l'appareil/table roulante.

9. **Ventilation-**Slots and openings in the cabinet and the back or bottom are provided for ventilation and to ensure reliable operation of the unit and to protect it from overheating, and these openings must not be blocked or covered. The openings should never be blocked by placing the unit on a bed, sofa, rug, or other similar surface. This unit should never be placed near or over a radiator or heat register. This unit should not be placed in a built-in installation such as a bookcase or rack unless proper ventilation is provided or the manufacturer's instructions have been adhered to.
10. **Power Sources-**This unit should be operated only from the type of power source indicated on the marking label. If you are not sure of the type of power supply to your home, consult your appliance dealer or local power company. For units intended to operate from battery power, or other sources, refer to the operating instructions.
11. **Grounding or Polarization-**This unit is equipped with a polarized alternating-current line plug(a plug having one blade wider than the other). This plug will fit into the power outlet only one way. This is a safety feature. If you are unable to insert the plug fully into the outlet, try reversing the plug. If the plug should still fail to fit, contact your electrician to replace your obsolete outlet. Do not defeat the safety purpose of the polarized plug.

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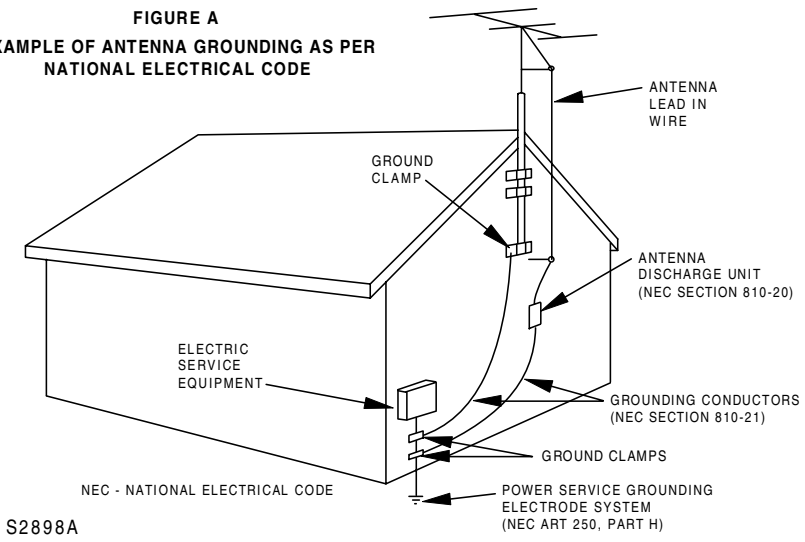
FIGURE A

EXAMPLE OF ANTENNA GROUNDING AS PER NATIONAL ELECTRICAL CODE


ANTENNA LEAD IN WIRE
GROUND CLAMP
ANTENNA DISCHARGE UNIT (NEC SECTION 810-20)
ELECTRIC SERVICE EQUIPMENT
GROUNDING CONDUCTORS (NEC SECTION 810-21)
GROUND CLAMPS
NEC - NATIONAL ELECTRICAL CODE
POWER SERVICE GROUNDING ELECTRODE SYSTEM (NEC ART 250, PART H)
S2898A

12. **Power-Cord Protection**-Power-supply cords should be routed so that they are not likely to be walked on or pinched by items placed upon or against them, paying particular attention to cords at plugs, convenience receptacles, and the point where they exit from the appliance.

13. **Outdoor Antenna grounding-**If an outside antenna or cable system is connected to the unit, be sure the antenna or cable system is grounded so as to provide some protection against voltage surges and built-up static charges. Article 810 of the National Electrical Code, ANSI/NFPA No. 70, provides information with respect to proper grounding of the mast and supporting structure, grounding of the lead-in wire to an antenna discharge unit, size of grounding conductors, location of antenna-discharge unit, connection to grounding electrodes, and requirements for the grounding electrode. (Fig. A)

14. **Lightning-**For added protection for this unit receiver during a lightning storm, or when it is left unattended and unused for long periods of time, unplug it from the wall outlet and disconnect the antenna or cable system. This will prevent damage to the unit due to lightning and power-line surges.

15. **Power Lines-**An outside antenna system should not be located in the vicinity of overhead power lines or other electric light or power circuits, or where it can fall into such power lines or circuits. When installing an outside antenna system, extreme care should be taken to keep from touching such power lines or circuits as contact with them might be fatal.

16. **Overloading-**Do not overload wall outlets and extension cords as this can result in a risk of fire or electric shock.

17. **Object and Liquid Entry-**Never push objects of any kind into this unit through openings as they may touch dangerous voltage points or short out parts that could result in a fire or electric shock. Never spill liquid of any kind on the unit.

18. **Servicing-**Do not attempt to service this unit yourself as opening or removing covers may expose you to dangerous voltage or other hazards. Refer all servicing to qualified service personnel.

19. **Damage Requiring Service-**Unplug this unit from the wall outlet and refer servicing to qualified service personnel under the following conditions:

a. When the power-supply cord or plug is damaged or frayed.

b. If liquid has been spilled, or objects have fallen into the unit.

c. If the unit has been exposed to rain or water.

d. If the unit does not operate normally by following the operating instructions. Adjust only those controls that are covered by the operating instructions, as improper adjustment of other controls may result in damage and will often require extensive work by a qualified technician to restore the unit to its normal operation.

e. If the unit has been dropped or damaged in any way.

f. When the unit exhibits a distinct change in performance-this indicates a need for service.

20. **Replacement Parts-**When replacement parts are required, be sure the service technician has used replacement parts specified by the manufacturer that have the same characteristics as the original part. Unauthorized substitutions may result in fire, electric shock, injury to persons or other hazards.

21. **Safety Check-**Upon completion of any service or repairs to this unit, ask the service technician to perform routine safety checks to determine that the unit is in proper operating condition.

22. **Heat-**This unit product should be situated away from heat sources such as radiators, heat registers, stoves, or other products (including amplifiers) that produce heat.

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PRECAUTIONS

IMPORTANT COPYRIGHT INFORMATION

Unauthorized copying, broadcasting, public performance and lending of discs are prohibited.

This product incorporates copyright protection technology that is protected by U.S. patents and other intellectual property rights. Use of this copyright protection technology must be authorized by Macrovision, and is intended for home and other limited viewing uses only unless otherwise authorized by Macrovision. Reverse engineering or disassembly is prohibited.

FCC WARNING- This equipment may generate or use radio frequency energy. Changes or modifications to this equipment may cause harmful interference unless the modifications are expressly approved in the instruction manual. The user could lose the authority to operate this equipment if an unauthorized change or modification is made.

RADIO-TV INTERFERENCE

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications.

However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

1) Reorient or relocate the receiving antenna.
2) Increase the separation between the equipment and receiver.
3) Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
4) Consult the dealer or an experienced radio/TV technician for help.

LASER SAFETY

This unit employs a laser. Only a qualified service person should remove the cover or attempt to service this device, due to possible eye injury.

CAUTION: USE OF CONTROLS OR ADJUSTMENTS OR PERFORMANCE OF PROCEDURES OTHER THAN THOSE SPECIFIED HEREIN MAY RESULT IN HAZARDOUS RADIATION EXPOSURE.

CAUTION: VISIBLE AND INVISIBLE LASER RADIATION WHEN OPEN AND INTERLOCK DEFEATED. DO NOT STARE INTO BEAM.

LOCATION: INSIDE, NEAR THE DECK MECHANISM.

This Class B digital apparatus complies with Canadian ICES-003.

Cet appareil numérique de la classe B est conforme à la norme NMB-003 du Canada.

CAUTION: TO PREVENT ELECTRIC SHOCK, MATCH WIDE BLADE OF PLUG TO WIDE SLOT, FULLY INSERT.

ATTENTION: POUR ÉVITER LES CHOC ÉLECTRIQUES, INTRODUIRE LA LAME LA PLUS LARGE DE LA FICHE DANS LA BORNE CORRESPONDANTE DE LA PRISE ET POUSSER JUSQU'AU FOND.

A NOTE ABOUT RECYCLING

Batteries should never be thrown away or incinerated but disposed of in accordance with your local regulations concerning chemical wastes.

The serial number of this product may be found on the back of the unit. No other unit has the same serial number as yours. You should record the number and other vital information here and retain this book as a permanent record of your purchase to aid identification in case of theft. Serial numbers are not kept on file.

Date of Purchase	
Dealer Purchase from	
Dealer Address	
Dealer Phone No.	
Model No.	
Serial No.	

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LOCATION

For safe operation and satisfactory performance of your unit, keep the following in mind when selecting a place for its installation:

- Shield it from direct sunlight and keep it away from sources of intense heat.
- Avoid dusty or humid places.
- Avoid places with insufficient ventilation for proper heat dissipation. Do not block the ventilation holes at the top and bottom of the unit. Do not place the unit on a carpet because this will block the ventilation holes.
- Install the unit in a horizontal position.
- Avoid locations subject to strong vibration.
- Do not place the unit near strong magnetic fields.
- Avoid moving the unit to locations where temperature differences are extreme.

AVOID THE HAZARDS OF ELECTRICAL SHOCK AND FIRE

- Do not handle the power cord with wet hands.
- Do not pull on the power cord when disconnecting it from an AC wall outlet. Grasp it by the plug.
- If by accident, water is spilled on your unit, unplug the power cord immediately and take the unit to our Authorized Service Center for servicing.
- Do not put your fingers or objects into the unit disc loading tray.
- Do not place anything directly on top of the unit.

WARNING

Moisture condensation may occur inside the unit when it is moved from a cold place to a warm place or after heating a cold room or under conditions of high humidity. If a DVD is played in a unit which has moisture, it may damage the DVD and the unit. Therefore when the condensation occurs inside the unit, turn the unit on and allow at least 2 hours for the unit to dry out.

SYMBOLS USED IN THIS MANUAL

The following symbols below appear in some headings and notes in this manual, with the following meanings

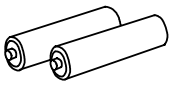
TV
: Description refers to TV operation (in the TV mode).

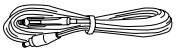
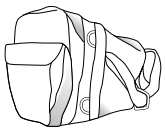
DVD-V
: Description refers to playback of DVD video discs (in the DVD mode).

CD
: Description refers to playback of audio CDs (in the DVD mode).

QUICK
: Description refers to the items to be set by the QUICK mode (in the DVD mode).

SUPPLIED ACCESSORIES

Remote Control Unit (NE221UD)	Batteries  2 AA Batteries	Owner's Manual (1EMN20217)

Indoor Antenna (0EMN00723 or 0EMN01183)	Matching Adapter (1813641 or 1780258 or UCPGANTPK004)	Car Battery Cord  (WPC0202GA001 or WPC0202HHH01)	Carrying Bag  (1EMN20243) *Only EWC09D5 B

- If you need to replace these accessories, please refer to the PART NO. under the illustrations and call 1-800-256-2487.
- Depending on your antenna system, you may need different types of Combiners (Mixer) or Separators (Splitter). Contact your local electronics store for these items.

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TV Mode

- **181 channel capability PLL frequency synthesizer tuner with direct station call**
  (A converter may be necessary to view scrambled cable channels.)
- **Infrared remote control**
- **Trilingual on screen menu display selectable in English, Spanish, or French**
- **Sleep Timer**
  Allows you to have the unit automatically turn off at a desired time.
- **Auto Shut Off Function**
  If there is no air signal input from the antenna terminal and no operation for 15 minutes, the TV will turn itself off automatically.

DVD Mode

- **Dolby Digital sound**
  This unit can handle Dolby Digital surround sound having 5.1 channels when connected to a Dolby Digital decoder.
- **Still/fast/slow/step playback**
  Various playback modes are available including still pictures, fast forward/reverse, slow motion and step frames.
- **Random playback for Audio CD**
  This unit can shuffle the order of tracks to play them in random order.
- **Program playback for Audio CD**
  You can program the order of tracks to play them in any desired order.
- **DVD menus in a desired language**
  You can display DVD menus in a desired language, if available on a DVD.
- **Screen saver/Auto power-off functions**
  The screen saver program starts when there is no input from the unit for 5 minutes in the stop mode. After the screen saver program is activated for 15 minutes, the power automatically turns off.
- **Subtitles in a desired language**
  You can select a desired language for the display subtitles, if that language is available on a disc.
- **Selecting a camera angle**
  You can select the desired camera angle, if a disc contains sequences recorded from different angles.
- **Choices for audio language and sound mode**
  You can select the desired audio language and sound mode, if different languages and modes are available on a disc.
- **Parental lock**
  You can set the control level to limit playback of discs which may not be suitable for children.
- **Automatic detection of discs**
  This unit automatically detects if the loaded disc is DVD or Audio CD.
- **On-screen display**
  Information about the current operation can be displayed on a TV screen, allowing you to confirm the currently active functions (such as program playback), on the TV screen using the remote control.
- **Search**
  Chapter search / Title search / Track search / Time search
- **Repeat**
  Chapter / Title / Track / All / A-B
- **Marker**
  The part designated by user can be called back.
- **Resume Play**
  User can resume to playback from the part at which the play was stopped.
- **Virtual Surround**
- **Bit rate indication**
- **DRC (Dynamic range control)**
  You can control the range of sound volume.

NOTE:

- We do not recommend the use of universal remote controls. Not all of the functions may be controlled with a universal remote control.
  If you decide to use a universal remote control with this unit, please be aware that the code number given may not operate this unit. In this case, please call the manufacturer of the universal remote control.

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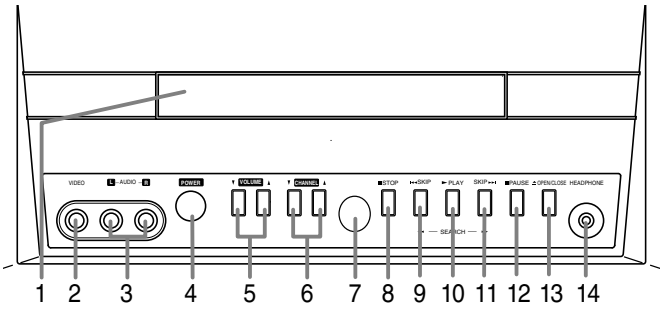
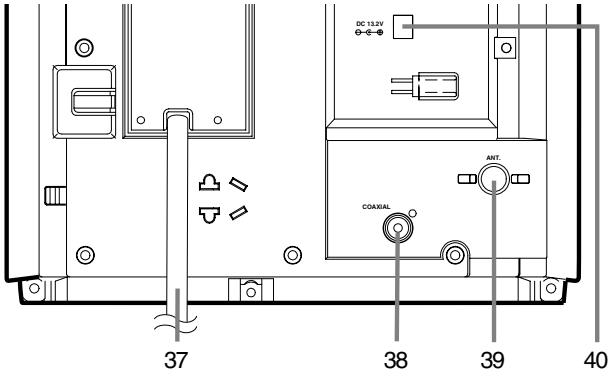
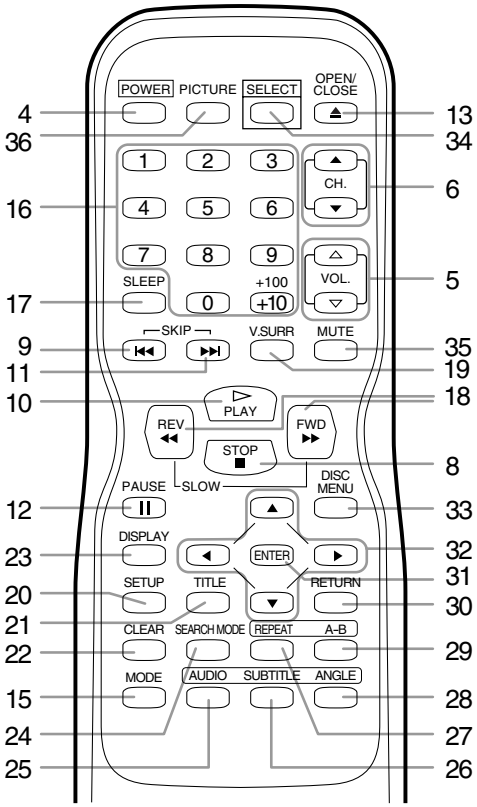
FRONT PANEL [Fig. 1]



REAR VIEW [Fig. 3]



REMOTE CONTROL [Fig. 2]



1. **Disc loading tray**
2. **VIDEO input Jack** [page 11]
   Connect to the video output jack of a video camera or VCR.
3. **AUDIO L/R input Jacks** [page 11]
   Connect to the audio output jacks of a video camera or VCR.
4. **POWER Button** [page 14]
   Hit to turn the power on and off.
5. **VOLUME (VOL.) ▲ / ▼ Buttons**
   Press to control the volume level for the DVD and TV.
6. **CHANNEL (CH.) ▲ / ▼ Buttons** [page 14]
   Press to select memorized channel.
   Press to change to TV mode when in DVD mode.
7. **Remote Sensor Window**
8. **■ STOP Button** [page 19]
   Stops operation of the disc.
9. **|◀◀ SKIP Button** [page 21]
   Plays back from the beginning of the current chapter or track.
   ◀◀ SEARCH Button (Front Panel)
   [page 20]
   During playback or in the pause mode, press and hold button down for a few seconds to change reverse playback speed.
10. **► PLAY Button** [page 19]
    Starts playback of the disc contents.
    Hit to change to DVD mode when TV mode.
11. **SKIP ▶▶| Button** [page 21]
    Plays back from the beginning of the next chapter or track.
    SEARCH ▶▶ Button (Front Panel)
    [page 20]
    During playback or in the pause mode, press and hold button down for a few seconds to change forward playback speed.
12. **❚❚ PAUSE Button** [page 20]
    Pauses the current disc operation.
13. **▲ OPEN/CLOSE Button** [page 19]
    Hit to insert a disc into or remove it from the tray.
14. **HEADPHONE Jack**
    To connect headphone (not supplied) for personal listening.
15. **MODE Button** [pages 22-24]
    Activates program playback or random playback mode when playing CDs.
16. **Number Button**
    TV Mode: [page 14]
    Hit two digits to directly access the desired channel. Remember to hit **[0]** before a single digit channel.
    +100 Button–
    Hit to select cable channels which are higher than 99.
    DVD Mode: [page 21]
    Hit to enter the desired number.
    +10 Button–
    Hit to enter the desired numbers which are higher than 9.

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17. **SLEEP Button** [page 15]
Sets the sleep timer.
18. **REV ◄◄ Button** [page 20]
Hit to fast reverse the Disc. Hit **[PAUSE ❚❚]**, then hit this button to begin slow motion playback. Hit this button repeatedly to change the reverse speed of slow motion.
FWD ►► Button [page 20]
Hit to fast forward the Disc. Hit **[PAUSE ❚❚]**, then hit this button to begin slow motion playback. Hit this button repeatedly to change the forward speed of slow motion.
19. **V.SURR (VIRTUAL SURROUND) Button** [page 24]
Hit to set virtual surround on/off.
20. **SETUP Button** [pages 16, 26-28]
Hit to enter or exit the setup menu of TV or DVD.
21. **TITLE Button** [page 19]
Displays the title menu.
22. **CLEAR Button** [pages 21-22]
Hit to clear or cancel a setting currently entered.
23. **DISPLAY Button**
TV Mode:
Hit to display the channel number on the screen. If you hit it again, the channel number will disappear.
DVD Mode: [page 25]
Displays the current status on the TV screen.
24. **SEARCH MODE Button** [page 21]
Hit to locate a desired point.
25. **AUDIO Button** [page 23]
Hit to select a desired audio language or sound mode.
26. **SUBTITLE Button** [page 23]
Hit to select a desired subtitle language.
27. **REPEAT Button** [page 22]
Repeats playback of the current disc, title, chapter or track.
28. **ANGLE Button** [page 24]
Hit to change the camera angle to see the sequence being played back from a different angle (if available).
29. **A-B Button** [page 22]
Repeats playback of a selected section.
30. **RETURN Button** [page 21, 24]
Returns to the previous screen in the setup menu.
31. **ENTER Button** [pages 14, 19]
Hit to accept a setting.
32. **▲ / ▼ / ◄ / ► Buttons**
TV Mode: [page 14]
Press to select a setting mode from the menu on the TV screen.
Press to select or adjust from a particular menu.
DVD Mode: [page 19]
Press to select a menu item.
33. **DISC MENU Button** [page 19]
Calls up the DVD menu.
34. **SELECT Button** [pages 11, 19]
Hit to change to TV mode, external input mode or DVD mode.

> **NOTE:** When you select the DVD mode by this button, press **[PLAY ▷]** or **[OPEN/CLOSE ⏏]** first. Otherwise, the DVD features are not operated.

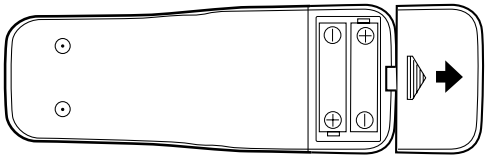
35. **MUTE Button**
Mutes the sound.
(Volume level display turns LIGHT RED from LIGHT BLUE.)
Hit it again or press **[VOL. △ / ▽]** to restore sound.
36. **PICTURE Button** [page 15]
Hit to enter picture adjustment mode.
37. **Power cord**
Connect to a standard AC outlet (120V/60Hz).

> **NOTE:** Remove the power cord from the hook to avoid breaking a wire before you connect to a standard AC outlet.

38. **COAXIAL Jack (DVD Audio Only)**
Connect to the digital input of an external amplifier or decoder.
39. **ANT(ENNA). Jack**
Connect to an antenna, cable system, or satellite system.
40. **DC 13.2V Jack**
Connect to the Car Battery Cord.

INSTALLING THE BATTERIES

1)Open the battery compartment cover by pressing the cover on the remote unit in the direction of the arrow.
2)Insert 2 “AA” penlight batteries into the battery compartment in the direction indicated by the polarity (+/-) markings.
3)Replace the cover.



[BATTERY PRECAUTIONS]

- Be sure to follow the correct polarity as indicated in the battery compartment. Reversed batteries may cause damage to the device.
- Do not mix different types of batteries together (e.g. Alkaline and Carbon-Zinc) or old batteries with fresh ones.
- If the device is not to be used for a long period of time, remove the batteries to prevent damage or injury from possible battery leakage.
- Do not try to recharge batteries not intended to be recharged; they can overheat and rupture.

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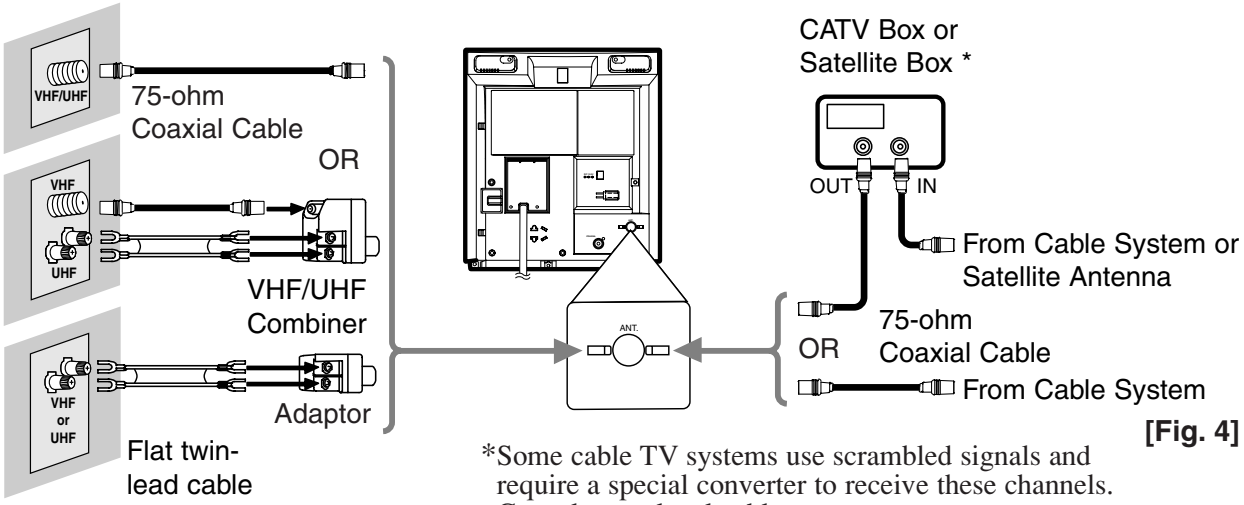
ANTENNA/CABLE CONNECTION

Cables used here are commercially available.

[ANTENNA CONNECTION]

[CATV/SATELLITE CONNECTION]



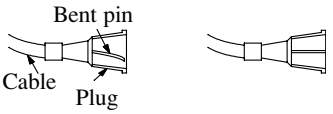
[Fig. 4]

*Some cable TV systems use scrambled signals and require a special converter to receive these channels. Consult your local cable company.

Note to CATV system installer:
This reminder is provided to call the CATV system installer's attention to Article 820-40 of the NEC that provides guidelines for proper grounding and in particular, specifies that the cable ground shall be connected to the grounding system of the building as close to the point of cable entry as practical.

NOTE:

- Before plugging the an antenna into the ANT. jack of the unit, check that the pin is not bent. If it is bent, straighten the pin as illustrated, then plug the pin into the ANT. jack of the unit.



(Needs to be straightened)(Straight pin)

VHF/UHF COMBINED ANTENNA

A VHF UHF 75 ohm combination antenna can be connected to ANT. jack of the unit.

VHF/UHF SEPARATE ANTENNAS

In some areas it will be necessary to use an outdoor antenna.

CABLE WITHOUT CONVERTER/ DESCRAMBLER BOX

Use this connection if your cable system connects directly to the unit without a converter box.

CABLE WITH CONVERTER/DESCRAMBLER BOX OR SATELLITE BOX

If your cable service supplies you with a converter box or if you use a satellite system, you can use the basic connection shown above.
Channel selection must be made with the converter box or satellite box. This means that channels cannot be changed using the remote control of this unit.

NOTE:

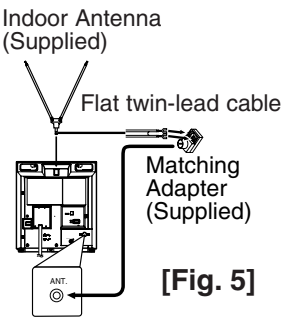
- **For your safety and to avoid damages to the unit, unplug the antenna cable from the ANT. jack before moving the unit.**

INDOOR ANTENNA

The Indoor Antenna (supplied) is detachable. Insert the stem of the antenna into the hole on the upper-back portion of the unit. Connect the Indoor Antenna to the unit as shown in the diagram. For the best reception, fully extend the Indoor Antenna and make the necessary adjustments. (Avoid touching the top section when adjusting.)

NOTE:

- The connection of an Indoor antenna may not always give acceptable TV reception.



[Fig. 5]

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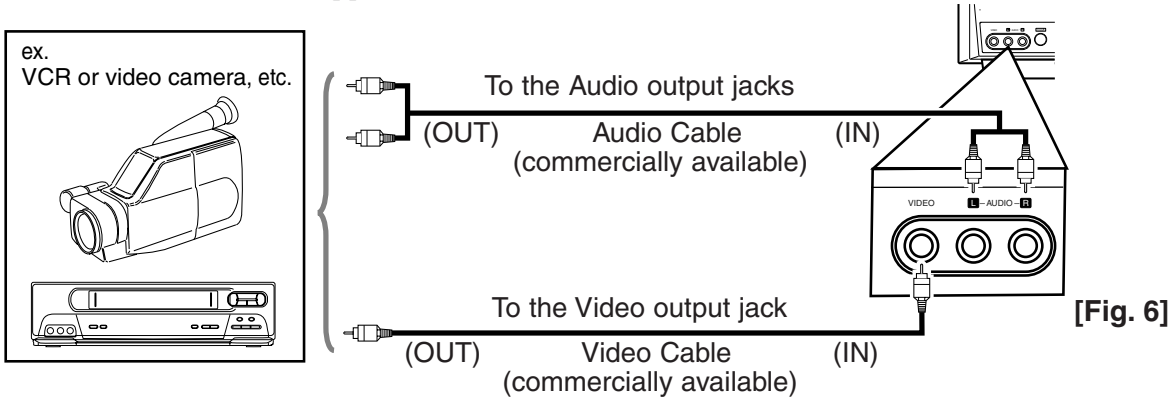
CONNECTING TO EXTERNAL INPUT JACKS

When you watch a program recorded on another source (VCR or video camera), use the AUDIO/VIDEO input jacks on the front of the unit.

Connect the AUDIO/VIDEO output jacks of another source to the AUDIO L/R and VIDEO jacks of this unit.

Then hit [SELECT] until "AUX" appears on the screen.



[Fig. 6]

NOTE:

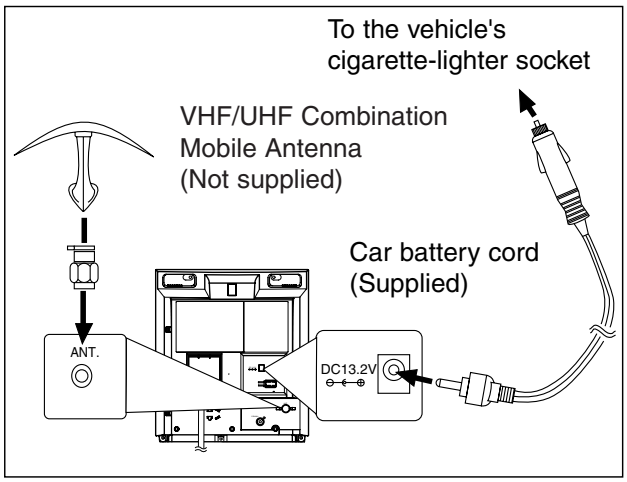
- When you connect a monaural VCR (another source) to this unit, connect the Audio output jack of the monaural VCR (another source) to the AUDIO L jack of this unit. The audio will output in both L and R channel equally.

MOBILE CONNECTION

WARNING: The driver should never watch the unit while operating a motor vehicle.

CAUTION:

- **When used in moving vehicle, be sure that the unit is secure at all the times to prevent injury. Consult a professional installer.**
- **If you use the unit with the vehicle's engine off, recharge the vehicle's battery after about every 4 hours of use to prevent it from running down. After you finish using the unit be sure you unplug the car-battery cord from the cigarette-lighter socket.**
- **Do not use this unit while driving.**
- **Do not leave this unit in a car.**
- **This unit is not designed for use in a car.**



1) The supplied indoor antenna is adequate when your vehicle is stationary. For best reception on the road, use a high-quality VHF/UHF mobile TV antenna.
2) Attach the car battery cord to the DC13.2V(12V) connector on the back of the unit. Then, connect the other end to your vehicle's cigarette-lighter socket.

NOTES:

- Be sure your vehicle has a 13.2-volt (12-volt), negative-ground electrical system.
- Be sure you use only the supplied car battery cord. Using another cord could damage the unit.
- Be sure the socket is free of ashes and other debris.
- Be sure to push the car battery cord's plug completely into the cigarette-lighter socket.
- Always unplug the car battery from the cigarette-lighter socket before you unplug it from the unit.
- You must disconnect the car battery cord from the unit before you can use the AC power.
- Be sure to replace the fuse with only the same type, 6A, 250V.

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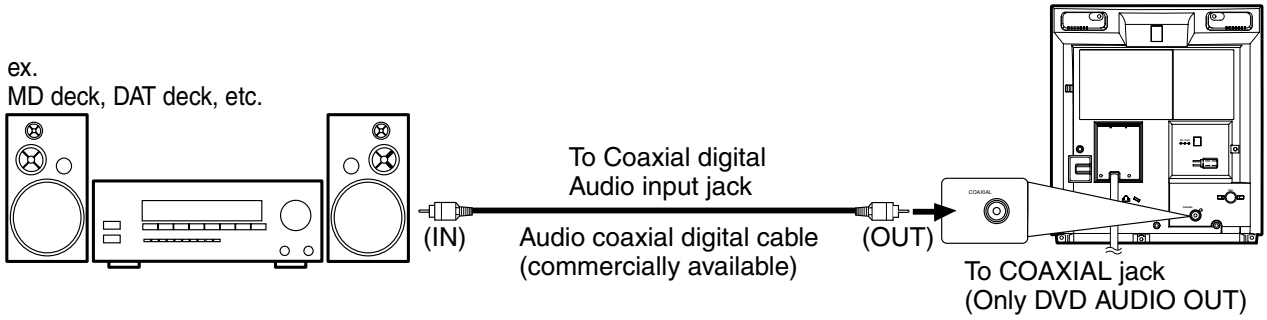
CONNECTING TO A STEREO AMPLIFIER EQUIPPED WITH DIGITAL INPUT JACKS (for DVD)

Use an audio coaxial digital cable (commercially available) for the audio connections.
Connect to an amplifier equipped with digital input jacks such as MD Deck or DAT Deck.



[Fig. 7]

NOTES:

- The audio source on a disc in a 5.1 channel Dolby Digital surround format cannot be recorded as digital sound by an MD or DAT deck.
- Be sure to turn off the power to all components in the system before connecting another component.
- Refer to the Owner's Manuals for the components to be connected to the unit.
- Set DOLBY DIGITAL to "OFF" for audio output in the setup mode. Playing a unit using incorrect settings may generate noise distortion, and may also damage the speakers. (Refer to page 27 to set DOLBY DIGITAL to "OFF".)

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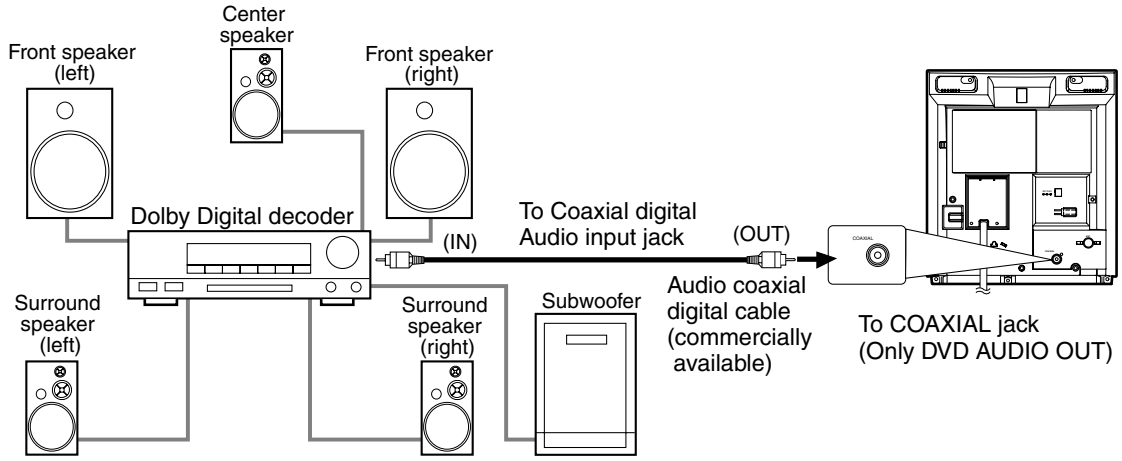
CONNECTING TO A DOLBY DIGITAL DECODER (for DVD)

If using this unit to play a DVD disc in a 5.1 channel Dolby Digital surround format, the unit outputs a DOLBY DIGITAL Data stream from its COAXIAL jack. By hooking the unit up to a Dolby Digital decoder, you can enjoy a more convincing, realistic ambience with powerful and high-quality surround sound as enjoyed in movie theaters.

Use audio coaxial digital cables (commercially available) for the audio connections.



[Fig. 8]

NOTES:

- Be sure to turn off the power to all components in the system before connecting another component.
- Refer to the Owner's Manuals for the components to be connected to the unit.
- If connected to a Dolby Digital decoder, set DOLBY DIGITAL to "ON" for audio output in the setup mode. (Refer to page 27 to set DOLBY DIGITAL to "ON".)
- Unless connected to a Dolby Digital decoder, set DOLBY DIGITAL to "OFF" for audio output in the setup mode. Playing a unit using incorrect settings may generate noise distortion, and may also damage the speakers.

Manufactured under license from Dolby Laboratories. "Dolby" and the double-D symbol are trademarks of Dolby Laboratories.

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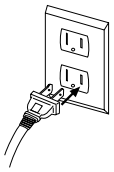
TV OPERATION AND SETTINGS

SET UP FOR THE FIRST TIME

TV

1 Plug in the unit power cord

Plug the unit power cord into a standard AC outlet.



NOTE:

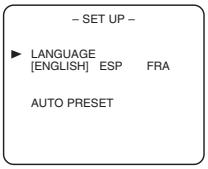
- If some digits appear in the corner of the screen, hit **[POWER]** without unplugging the power cord.

2 Turn on the unit

Hit **[POWER]** to turn on the unit.

3 Select the On Screen Language

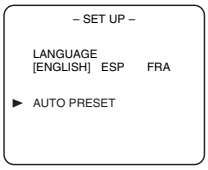
Press **[▲ / ▼]** to point to "LANGUAGE", then hit **[ENTER]** to select "ENGLISH" or "ESP"=Spanish or "FRA" =French. "[ ]" indicate the selected language.



4 Begin auto preset

Press **[▲ / ▼]** to point to "AUTO PRESET", then hit **[ENTER]**.

The tuner scans and memorizes all active channels in your area.



NOTES:

- The unit distinguishes between standard TV channels and cable (CATV) channels.
- The unit may memorize TV channels as CATV channels if reception condition is poor. If this happens, try "AUTO PRESET" action again when reception conditions are better. Refer to "CHANNEL RESETTING" on page 16.

5 After scanning

The tuner stops on the lowest memorized channel.

You can select the desired channel directly with **the Number buttons** or **[CH. ▲ / ▼]**.

NOTE:

- Channel memory programming is NOT needed when connected to a cable box or satellite box. Just select the unit channel selector to the output channel of the cable box or satellite box (Ex CH3). Then select the channel to be viewed on the Cable Box or Satellite Box.

WATCHING A TV PROGRAM

TV

1 Turn on the unit

Hit **[POWER]** to turn on the unit.

2 Select the channel number

Press **[CH. ▲ / ▼]** to select your desired channel number or press **the Number buttons**.

Note for using the Number buttons:

- When selecting cable channels which are higher than 99, hit +100 first, then press the last two digits. (Example: to select channel 125, first hit **[+100]** then hit **[2]** and **[5]**).
- You must precede single-digit channel numbers with a zero (For example: 02, 03, 04 and so on).

3 Adjust sound

Press **[VOL. △ / ▽]** to adjust the volume.

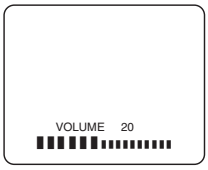
Hit **[MUTE]** to instantly mute the sound.

Hit it again to restore the previous sound level.

NOTE:

- If you press **[CH. ▲ / ▼]** in the DVD mode, you can change the TV channels.

  Even if you turn off the unit in the DVD mode, when you turn it on again, it will go into the TV mode.



TO WATCH CABLE OR SATELLITE CHANNEL

- If the unit is connected to a cable box or satellite box, press **[CH. ▲ / ▼]** to select CH3 or CH4 according to the output channel setting of the device, and select desired channel on that device.

TO WATCH EXTERNAL INPUT

- When an external equipment is connected to the front AUDIO/VIDEO input jacks, press **[SELECT]** or **[CH. ▲ / ▼]** repeatedly until "AUX" appears on the screen.

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PICTURE CONTROL

TV

The unit's picture controls – **BRIGHT, CONTRAST, COLOR, TINT** and **SHARPNESS** – are preset to factory specifications. Although they are usually the best, you may need to make some further adjustments for a natural looking image.

Make sure ...

- The unit must be turned on.

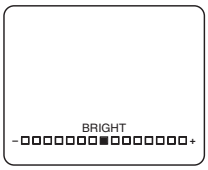
1 Select "PICTURE CONTROL"

Hit **[PICTURE]**.

2 Select item you want to adjust

Press **[▲ / ▼]** until desired control is displayed.

BRIGHT
CONTRAST
COLOR
TINT
SHARPNESS



3 Adjust the picture control

Press **[◄ / ►]** to adjust to your desired level within 5 seconds.

NOTE:

- At step ***3***, the picture adjustment display will disappear from the TV screen after about 5 seconds unless you press any buttons, even though you may not be finished. In this case, repeat from step ***1***.

	◄	►
BRIGHT	to decrease brightness	to increase brightness
CONTRAST	to decrease contrast	to increase contrast
COLOR	to pale	to brilliant
TINT	to purple	to green
SHARPNESS	to soft	to clear

- **If there is a power failure of any kind, the unit will retain its memory for this feature.**

DEGAUSSING

TV

This television has a degaussing circuit that will clear up color errors on the TV screen that are caused by any excess magnetism which happens to get too close to the TV. This circuit is designed to operate once when the set is first plugged in. **If minor color errors are seen in some locations on the screen, please unplug the TV for approximately 30 minutes.** When the TV is plugged back in, the degaussing circuit will operate once to clear them up. Repeat this procedure any time the TV screen is accidentally magnetized or when the TV is moved or relocated.

SLEEP TIMER

TV

The Sleep Timer function turns off the unit without using **[POWER]** after a desired period of time.

1 Call up the Sleep Timer Setting

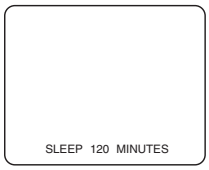
Hit **[SLEEP]** so that "SLEEP TIMER" appears.

2 Set sleep time

Hit **[SLEEP]** repeatedly until your desired sleep time appears.

Each additional hit will increase the time by 30 minutes up to 120 minutes.

After 5 seconds, the Sleep Timer setting will disappear automatically.



NOTE:

- When you disconnect the unit from the AC outlet, or if you have a power failure, the sleep time will be lost.
- To confirm the time left for sleep timer, hit **[SLEEP]** once and the display appears for 10 seconds.

TO CANCEL THE SLEEP TIMER

Hit **[SLEEP]** to call up the Sleep Timer Setting. Hit **[SLEEP]** repeatedly until "SLEEP 0 MINUTES" appears.

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CHANNEL RESETTING

TV

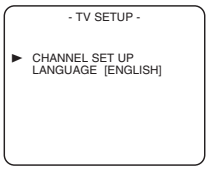
Make sure ...

- The unit power must be turned on.

RESETTING CHANNELS

1 Select "CHANNEL SET UP"

Hit **[SETUP]** on the remote control.
Press **[▲ / ▼]** to point to "CHANNEL SET UP", then hit **[ENTER]**.

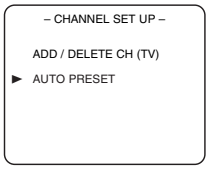


2 Begin auto preset

Press **[▲ / ▼]** to point to "AUTO PRESET", then hit **[ENTER]**.
The tuner scans and memorizes all the active channels in your area.

NOTES:

- The unit distinguishes between standard TV channels and cable(CATV) channels.
- The unit may memorize TV channels as CATV channels if reception conditions is poor. If this happens, try "AUTO PRESET" action again when reception conditions are better.



3 After scanning

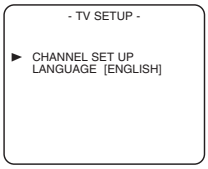
The tuner stops on the lowest memorized channel.

ADDING/DELETING CHANNELS

The channels you no longer receive or seldom watch can be deleted from the memory. (Of course, you can add the deleted channel into the memory again.)

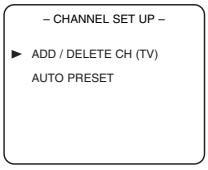
1 Select "CHANNEL SET UP"

Hit **[SETUP]**.
Press **[▲ / ▼]** to point to "CHANNEL SET UP", then hit **[ENTER]**.



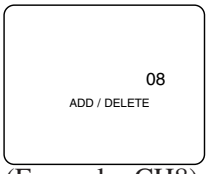
2 Select "ADD/DELETE CH"

Press **[▲ / ▼]** to point to "ADD/DELETE CH", then hit **[ENTER]**.



3 Enter the desired channel number

Press **[▲ / ▼]** until your desired channel number appears (You can also use **the Number buttons** or **[CH. ▲ / ▼]** to enter it).



(Example: CH8)

4 Delete (or add) it from (into) memory

Hit **[ENTER]**. The channel number changes to light red. The channel is deleted from memory.

Added channel: Light blue.
Deleted channel: Light red.

- To delete another channel, repeat steps ***3*** and ***4***.
- If you hit **[ENTER]** again, the channel is memorized again.

5 Exit the channel setup mode

Hit **[SETUP]** to exit the menu.

NOTE:

- To confirm that channel(s) has been deleted or added, hit **[CH. ▲ / ▼]**.

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MENU LANGUAGE

TV

1 Select "LANGUAGE"

Hit **[SETUP]**.

Press **[▲ / ▼]** to point to "LANGUAGE", then hit **[ENTER]** to select "ENGLISH" or "ESPAÑOL"= Spanish or "FRANÇAIS"= French.

2 Exit the Language mode

Hit **[SETUP]** to return to exit the menu.

NOTE:

- This function effects only the language on the screen menu and not the audio source.
- If Spanish or French is selected accidentally,
  1) Hit **[SETUP]**.
  2) Press **[▲ / ▼]** to point to "IDIOMA [ESPAÑOL]" or "LANGAGE" [FRANÇAIS].
  3) Hit **[ENTER]** to select your desired language.
  4) Hit **[SETUP]** to exit the menu.

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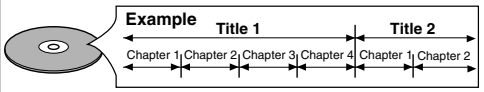
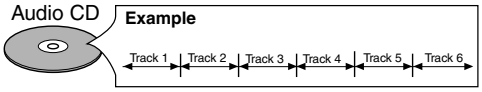
ABOUT THE DISCS

PLAYABLE DISCS

Playable discs	Mark (logo)	Region code	Recorded signals	Disc size	Disc types
DVD-Video * 1,2,3,10	DVD VIDEO DVD VIDEO	or ALL	Digital video (MPEG2)	12 cm or 8cm	
DVD-RW DVD-R * 1,3,4,5,6 8,9	DVD RW DVD RW DVD R DVD R	-			
DVD+RW DVD+R * 1,3,4,5,7,8,9	RW DVD+ReWritable RW DVD+R	-			
Audio CD * 3,5	COMPACT disc DIGITAL AUDIO	-	Digital audio	12 cm or 8cm	
CD-RW CD-R * 3,4,5,8,9	COMPACT disc DIGITAL AUDIO ReWritable COMPACT disc DIGITAL AUDIO Recordable COMPACT disc ReWritable COMPACT disc Recordable				

DVD is a trademark of DVD Format/Logo Licensing Corporation.

If you cannot play back a disc which bears one of the marks above, check the following notes.

*1: This unit conforms to the NTSC color system. Discs recorded in other color systems such as PAL cannot be played back.
*2: Certain DVD-Video discs do not operate as described in this manual due to the intentions of the disc's producers.
*3: Scratched or stained discs may not be played back.
*4: Some discs cannot be played back because of incompatible recording conditions, characteristics of the recorder or special properties of discs.
*5: You can play back discs which bear the marks above. If you use nonstandardized discs, this unit may not play them back. Even if they are played back, the sound or video quality will be compromised.
*6: You may play back the unfinalized DVD-R/RW disc recorded in the video format on our brand's DVD recorder. However, depending on the recording status of a disc, the disc may not be played back at all or normally (the picture or sound may not be smooth, etc.). In this case, you need to finalize the disc with the DVD recorder. Refer to the manual accompanying the DVD recorder.
*7: Only the discs recorded in the video format and finalized can be played back.
Unfinalized discs cannot be played back. Depending on the recording status of a disc, the disc may not be played back at all or normally (the picture or sound may not be smooth, etc.).
*8: If there is too much recording space left on a disc (the used portion is less than 55mm across), it may not play back properly.
*9: Do not glue paper or put stickers on to the disc. These may damage the disc and the unit may not read it correctly.
*10: The number inside the symbol refers to a region of the world and a disc encoded in a specific region format can only be played back on unit with the same region code.

RW COMPATIBLE :This label indicates playback compatibility with DVD-RW discs recorded in VR mode (Video Recording Format)

NOTE:

- This player cannot play the DVD-RW that supports CPRM (Contents Protection for Recordable Media).
- This player cannot play the DVD-R discs recorded in VR mode (Video Recording Format).

UNPLAYABLE DISCS

- **NEVER play back the following discs. Otherwise, malfunction may result!**
  DVD-RAM / CD-I / Photo CD / Video CD / DVD with region codes other than 1 or ALL / DTS-CD / DVD-ROM for personal computers / CD-ROM for personal computers / MP3
- **On the following disc, the sound MAY NOT be heard.**
  Super Audio CD
  NOTE: Only the sound recorded on the normal CD layer can be delivered.
  The sound recorded on the high density Super Audio CD layer cannot be delivered.
- *Any other discs without compatibility indications*

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BASIC PLAYBACK

DVD-V CD

Getting started

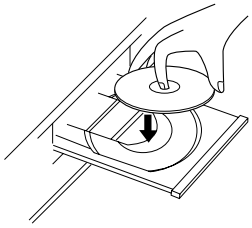
- Turn on the power of amplifier and any other components, if necessary.

1 Hit [POWER].

- The power will turn on.

2 Hit [OPEN/CLOSE ⏏] to open disc loading tray.

3 Place the chosen disc in the tray, with the label facing up.



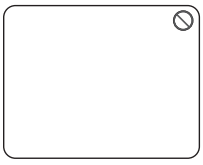
4 Hit [PLAY ▷].

- The tray will close automatically and playback will then start from the first chapter or track of the disc.
- Closing the disc tray manually or hitting **[OPEN/CLOSE ⏏]** also starts playback.
- If the playback does not start automatically, hit **[PLAY ▷]**.
- When you playback a DVD which features a title menu, it may appear on the screen. In this case, refer to "TITLE MENU".

5 Hit [STOP ■] to stop playback.

NOTES:

- When the DVD mode has been switched to the TV mode, the DVD mode shuts down first and then the TV picture and sound appears in about 4 seconds. Similarly, when **[POWER]** is hit to turn off in the DVD mode, this mode shuts down first and then the unit's power is turned off.
- A "prohibited icon" may appear at the top-right on the TV screen during operation, warning that a prohibited operation has been encountered by the DVD or the disc.



- With DVDs that use titles for playback program signals, playback may start from the second title or it may skip these titles.
- During the playback of a two layered disc, pictures may stop for a moment. This happens when the 1st layer switches to the 2nd layer. This is not a malfunction.

GENERAL FEATURES

DVD-V

DVD may contain menus to navigate the disc and access special features. Press appropriate **the Number buttons** or use **[▲ / ▼ / ◄ / ►]** to highlight your selection in the DVD main menu and hit **[ENTER]** to confirm.

NOTES:

- Select DVD mode by hitting **[SELECT]**. Then press **[PLAY ▷]** or **[OPEN/CLOSE ⏏]** before you operate the DVD functions.
- Unless stated, all operations described are based on remote control use. Some operations can be carried out using the menu bar on the TV screen.

DISC MENU

DVD-V

1 Hit [DISC MENU].

- The DVD main menu will appear.

2 If the feature is not available, ⃠ symbol may appear on the TV screen.

3 If disc menu is available on the disc, audio language, subtitle options, chapters for the title and other options will appear for selection.

4 Press [▲ / ▼ / ◄ / ►] to select an item and hit [ENTER] to confirm selection.

TITLE MENU

DVD-V

1 Hit [TITLE].

- The title menu will appear.

2 If the feature is not available, ⃠ symbol may appear on the TV screen.

3 Press [▲ / ▼ / ◄ / ►] to select an item and hit [ENTER] to confirm selection.

CALLING UP A MENU SCREEN DURING PLAYBACK

- Hit **[DISC MENU]** to call up the DVD menu.
- Hit **[TITLE]** to call up the title menu.

NOTE:

- Contents of menus and corresponding menu operations may vary between discs. Refer to the manual accompanying the disc for details.

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RESUME

DVD-V CD

1 During playback, hit [STOP ■].

- Resume message will appear on the TV screen.

2 Hit [PLAY ▷], playback will resume from the point at which playback was stopped.

- To cancel resume, hit **[STOP ■]** twice.
- If the unit is turned off, resume function will be cancelled.

PAUSE

DVD-V CD

1 During playback, hit [PAUSE ❚❚].

- Playback will pause and sound will be muted.

2 To continue playback, hit [PLAY ▷].

STEP BY STEP PLAYBACK

DVD-V

1 During playback, hit [PAUSE ❚❚].

- Playback will pause and sound will be muted.

2 The disc goes forward by one frame each time [PAUSE ❚❚] is hit.

3 To exit step by step playback, hit [PLAY ▷].

FAST FORWARD / FAST REVERSE

DVD-V CD

1 During playback, press [FWD ►►] or [REV ◄◄].

- " ►► 1" or "◄◄ 1" appears on the screen.

2 To select another speed, repeat step *1* until your required speed appears on the screen.

- For DVDs, fast forward/reverse search speed is different depending on the disc. Approximate speed is 1 (×2), 2 (×8), 3 (×50) and 4 (×100).
- For Audio CDs, approximate speed is ×16.
- When you use buttons on the front panel, press and hold **[SEARCH ◄◄ / ►►]** for a few seconds.

3 To return to normal playback, hit [PLAY ▷].

SLOW FORWARD / SLOW REVERSE

DVD-V

1 During playback, hit [PAUSE ❚❚].

2 Press [FWD ►►] or [REV ◄◄].

- "❙► 1" or " ◄❙1" appears on the screen.

3 To select another speed, repeat step *2* until your required speed appears on the screen.

- Slow forward or reverse speed varies with the disc. Approximate speed is 1 (1/16), 2 (1/8) and 3 (1/2).
- When you use buttons on the front panel, press and hold **[SEARCH ◄◄ / ►►]** for a few seconds.

4 To return to normal playback, hit [PLAY ▷].

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SEARCH FUNCTION

TRACK SEARCH

CD

There are three ways to begin playback on an Audio CD at a specific track.

Using the Number buttons

1 Press the Number buttons to enter the desired Track Number.

- Playback will start at the selected track.
- For single digit tracks (1-9), hit a single number (eg. track 3, hit **[3]**).
- To play track 26, hit **[+10]**, **[2]**, **[6]**.

Using [SEARCH MODE]

1 Hit [SEARCH MODE].

- The Track search display appears.

2 Within 30 seconds, select a desired track number using the Number buttons.

- For single digits hit **[0]** first, if the total track of the disc is more than 10.
- Playback will start at the selected track.

Using [SKIP ⏮ / ⏭]

During playback, hit **[SKIP ⏭]** to move the next track. Hit it repeatedly to skip subsequent tracks. Hit **[SKIP ⏮]** to go back to beginning of the current track. Hit it repeatedly to go to the previous tracks.

- If **[SKIP ⏮ / ⏭]** is pressed while the playback is paused, the playback will be paused again after skipping to the next track.

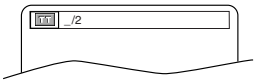
NOTE:

- **[SKIP ⏮ / ⏭]** are not operative when playback is stopped.

TITLE / CHAPTER SEARCH

DVD-V

1 Hit [SEARCH MODE] once for the Chapter search, twice for the Title search during playback.



2 Enter the desired chapter/title number using the Number buttons.

- Playback will start at the selected chapter or title.
- Hit **[CLEAR]** to erase the incorrect input.
- For single digits hit **[0]** first, if the total chapter or title of the disc is more than 10.

TIME SEARCH

DVD-V CD

1 During playback, hit [SEARCH MODE] three times (CD: twice) to display the Time Search on the TV screen.

2 Within 30 seconds, enter a desired disc time using the Number buttons.

- Playback will start at the specified time.
- Hit **[CLEAR]** to erase the incorrect input.
- When there is no need to enter a number, "0" appears automatically. For example, " 0 : 0 _ : _ _" appears in the Time Search display if the total time of the track or title is less than 10 minutes.

MARKER SETUP SCREEN

DVD-V CD

Use markers to memorize your favorite places on a disc.

1 Hit [SEARCH MODE] four times (CD: three times) during playback.

- The display screen and Markers will appear on the TV screen.

2 Press [◄ / ►] to select 1, 2, 3, 4, 5, 6, 7, 8, 9, or 10 and ensure that "- - - - : - - : - -" appears in the display.

3 When you reach the desired point, hit [ENTER].

- The title or track and elapsed playing time will appear in the TV screen.

4 To return to the Marker later, hit [SEARCH MODE] four times (CD: three times) during playback and [◄ / ►] to choose the desired marker, then hit [ENTER].

NOTES:

- Operations which erase all Markers:
  - – Opening the disc tray
  - – Turning off the power
  - – Hitting **[SELECT]**
  - – Selecting "AC" at step ***2*** and hitting **[ENTER]**
- To clear a marker:
  - – Press [◄ / ►], position the cursor on to the marker number and hit **[CLEAR]**.
- You can mark up to 10 points.

5 Press [SEARCH MODE] or [RETURN] to exit.

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SPECIAL PLAYBACK FUNCTION

REPEAT

REPEAT is available only during playback.

REPEAT TITLE / CHAPTER

DVD-V

To activate the repeat function, hit [REPEAT] during playback.

- The repeat mode changes as described below every time you hit the button.

CHAPTER (**current chapter** repeat) → TITLE (**current title** repeat) → OFF (repeat **off**)

NOTES:

- Repeat Title/Chapter is not available with some scenes.
- The REPEAT setting will be cleared when moving to other title or chapter.

REPEAT TRACK

CD

To activate the repeat function, hit [REPEAT] during playback.

- The repeat mode changes as described below every time you hit the button.

TRACK (**current track** repeat) → ALL (**entire disc** repeat) → OFF (repeat **off**)

NOTES:

- Repeat setting will be cleared when moving to other track.
- Repeat playback does not function during A-B repeat playback.

A-B REPEAT

DVD-V CD

1 **Hit [A-B] at your chosen starting point.**

- "⟲ A-" appears briefly on the TV screen.

2 **Hit [A-B] again at your chosen end point.**

- "⟲ A-B" appears briefly on the TV screen, and the repeat sequence begins.

3 **To exit the sequence, hit [A-B].**

NOTES:

- The A-B repeat section can only be set within the current title (for DVDs) or current track (for Audio CDs).
- A-B repeat is not available with some scenes in DVD.
- To cancel the A point which was set, hit **[CLEAR]**.
- A-B repeat playback does not function during title, chapter, track or all repeat playback.

PROGRAM

CD

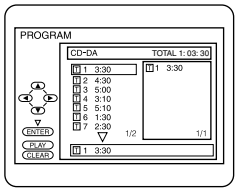
You may determine the order in which tracks will play.

1 **In stop mode, hit [MODE].**

- The "PROGRAM" screen will appear.

2 **Press [▲ / ▼] to select a track, then hit [ENTER].**

- Hit **[CLEAR]** to erase the most recently entered program.



3 **Repeat step *2* until you have selected all the tracks you want to play in the program.**

4 **Hit [PLAY ▷] to play the programmed tracks.**

NOTES:

- While the program is being played back, the STOP works as follows.
- Hit **[STOP ■]** once and then **[PLAY ▷]** again, playback will restart from the point where **[STOP ■]** was hit. (Program continued)
- Hit **[STOP ■]** twice and then **[PLAY ▷]** again, playback will restart from the track in the usual way. (Program canceled)
- Up to 99 tracks can be entered.
- To erase all tracks in the program at once, select "ALL CLEAR" at the bottom of the list at step ***2***.
- If you like to repeat the current track in the program, hit **[REPEAT]** several times until "⟲ TRACK" appears during playback. If you like to repeat the entire program hit **[REPEAT]** several times until "⟲ ALL" appears during playback.

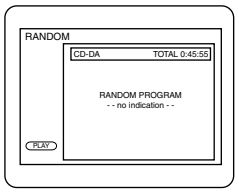
RANDOM PLAYBACK

CD

This shuffles the playing order of tracks instead of playback in the sequence.

1 **In stop mode, hit [MODE] twice.**

- "RANDOM" screen appears.



2 **Hit [PLAY ▷] to start random playback.**

NOTE:

- If you like to repeat the current track in the random selection, hit **[REPEAT]** several times until "⟲ TRACK" appears during playback. If you like to repeat the entire random selection hit **[REPEAT]** several times until "⟲ ALL" appears during playback.

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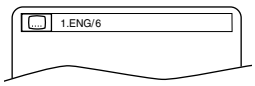
SUBTITLE LANGUAGE

DVD-V

The unit allows you to select a language for subtitles during DVD (if available) playback.

1 Hit [SUBTITLE] during playback.

- The subtitle language will be displayed on the display bar at the top of the screen.

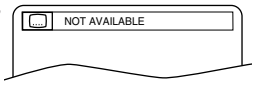


2 Hit [SUBTITLE] repeatedly to select your desired subtitle language.

3 To turn off subtitles, hit [SUBTITLE] repeatedly until OFF appears.

NOTES:

- Some discs allow audio language setting/subtitle language setting on the disc menu. (Operation varies between discs, so refer to the manual accompanying the disc.)
- If the desired language is not shown after hitting **[SUBTITLE]** several times, the disc does not have subtitles in that language.
- When "NOT AVAILABLE" appears on the TV screen, it means no subtitle is recorded on the scene.



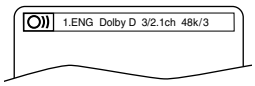
- If you choose a Language that has a 3 letter language code, the code will be displayed every time you change the Subtitle language setting. If you choose any other languages, "---" will be displayed instead. (Refer to page 26.)

AUDIO LANGUAGE

DVD-V

The unit allows you to select a language during DVD (if multi languages are available) playback.

1 Hit [AUDIO] during playback.



2 Hit [AUDIO] repeatedly to select your desired language.

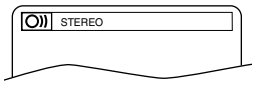
NOTE:

- Hitting **[AUDIO]** may not work on some DVDs with multiple audio languages (e.g. DVDs which allow audio language setting on the disc menu).

STEREO SOUND MODE

CD

1 Hit [AUDIO] repeatedly during playback to select between "STEREO", "L-CH" or "R-CH".



- STEREO - both right and left channels are active (stereo)

L-CH - only left channel is active
R-CH - only right channel is active

NOTE:

- **If the Virtual Surround setting is ON, the sound mode will be fixed to "STEREO" and can not be changed.**

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CAMERA ANGLE

DVD-V

Some DVDs contain scenes which have been shot simultaneously from various angles. You can change the camera angle when the " " icon appears on the screen.

1 Hit [ANGLE] during playback.

- If the "ANGLE ICON" setting is "OFF" in the "DISPLAY" menu, the " " icon will not appear. (Refer to page 27.)

2 Hit [ANGLE] repeatedly to select your desired angle.

- The selected angle will be displayed on the display bar at the top of the screen.

BLACK LEVEL SETTING

DVD-V

Adjust the Black Level Settings to make the black parts of the picture brighter.

1 Hit [MODE] during playback.

2 Hit [ENTER] to switch "ON / OFF".

ON: Makes the dark parts brighter.
OFF: Shows the original picture as recorded.

3 Press [MODE] twice or [RETURN] to exit.

NOTE:

- The setting will be saved even if the unit is turned off.

VIRTUAL SURROUND

DVD-V CD

You can enjoy surround-sound effect over two speakers on this unit.

1 Press [V.SURR] once or [MODE] twice (CD: once) during playback.

2 Hit [ENTER] to set it "1" (Natural effect), "2" (Emphasized effect) or "OFF".

3 Press [V.SURR] or [MODE] to exit.

- You can also exit the menu by hitting **[RETURN]**.

NOTE (for CD play only):

- Virtual Surround will not be effective if the sound mode is set to something other than STEREO.

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THE ON-SCREEN INFORMATION

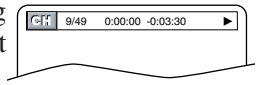
DVD-V CD

You can check the information about the current disc by hitting **[DISPLAY]**.

For DVD-Vs

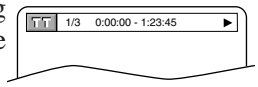
1 Hit [DISPLAY] during playback to show current Chapter.

- The elapsed and remaining playing time of the current chapter will be displayed.



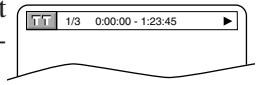
2 Hit [DISPLAY] again to show current Title.

- The elapsed and remaining playing time of the current title will be displayed.



3 Hit [DISPLAY] again.

- The bit rate and the current repeat setting will be displayed.



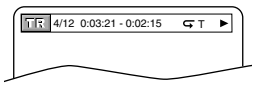
- If you are playing a dual layered disc, the layer number will also be displayed (L0: Layer 0 is playing. L1: Layer 1 is playing).

4 Hit [DISPLAY] again to exit.

For Audio CDs

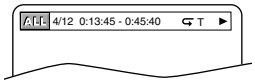
1 Hit [DISPLAY] during playback to show the current Track.

- The elapsed and remaining playing time of the current track will be displayed.



2 Hit [DISPLAY] again to show current Total Track.

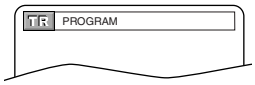
- The elapsed and remaining playing time of the total track will be displayed.



3 Hit [DISPLAY] again to exit.

NOTE:

- When you are playing a disc in PROGRAM or RANDOM mode, "TR PROGRAM" (or RANDOM) will be displayed at step ***2***.



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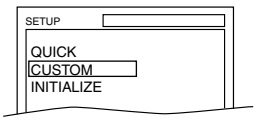
CUSTOM MENU

DVD-V

You can change the DVD player's settings.

1 Hit [SETUP] twice in STOP mode so that the DVD SETUP menu appears.

- Hit **[▼]** to select "CUSTOM" then hit **[ENTER]**.



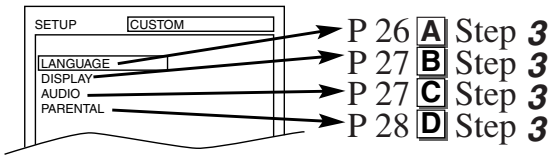
NOTE:

- If the menu does not appear, hit **[PLAY ▷]** first, then hit **[STOP ■]**. Make sure the disc is in STOP mode, then slowly hit **[SETUP]** twice.

2 Select the desired item.

- Press **[▲ / ▼]** to select the desired item then hit **[ENTER]** to confirm.

Refer to the pages below to set up each item.



A LANGUAGE SETTING

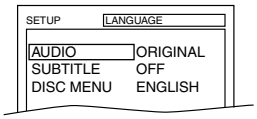
Follow steps **1** to **2** in the "CUSTOM MENU" section above.

3 Press [▲ / ▼] to select the desired item then hit [ENTER].

AUDIO:
Sets the audio language.

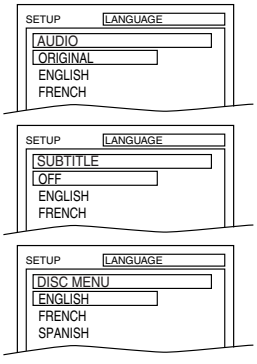
SUBTITLE:
Sets the subtitle language.

DISC MENU:
Sets the language for DVD menu.



4 Press [▲ / ▼] to select a setting then hit [ENTER].

- If "OTHER" is selected on the "AUDIO", "SUBTITLE" or "DISC MENU" screen, press four-digit number to enter the code for the desired language. (Refer to the language code list.)
- Only the languages supported by the disc can be selected.



5 Hit [SETUP] to exit the menu.

NOTES:

- Language Setting for Audio and Subtitle are not valid for some discs due to default setting of the disc. In this case, set them by hitting **[AUDIO]** and **[SUBTITLE]**. (Refer to page 23.)
- If you select a language that is not supported by the disc, subtitle will automatically be set OFF and the first item of the audio languages will be automatically set.

Language	Code
A-B	
Abkhazian	4748
Afar	4747
Afrikaans	4752
Albanian	6563
Amharic	4759
Arabic	4764
Armenian	5471
Assamese	4765
Aymara	4771
Azerbaijani	4772
Bashkir	4847
Basque	5167
Bengali;Bangla	4860
Bhutani	5072
Bihari	4854
Bislama	4855
Breton	4864
Bulgarian	4853
Burmese	5971
Byelorussian	4851
C-E	
Cambodian	5759
Catalan	4947
Chinese [CHI]	7254
Corsican	4961
Croatian	5464
Czech	4965
Danish [DAN]	5047
Dutch [DUT]	6058
English [ENG]	5160
Esperanto	5161
Estonian	5166
F-H	
Faroese	5261
Fiji	5256
Finnish [FIN]	5255
French [FRE]	5264
Frisian	5271
Galician	5358
Georgian	5747
German [GER]	5051
Greek [GRE]	5158
Greenlandic	5758
Guarani	5360
Gujarati	5367
Hausa	5447
Hebrew	5569
Hindi	5455
Hungarian [HUN]	5467
I-K	
Icelandic [ICE]	5565
Indonesian	5560
Interlingua	5547
Interlingue	5551
Inupiak	5557
Irish [IRI]	5347
Italian [ITA]	5566
Japanese [JPN]	5647
Javanese	5669
Kannada	5760
Kashmiri	5765
Kazakh	5757
Kinyarwanda	6469
Kirghiz	5771
Kirundi	6460
Korean [KOR]	5761
Kurdish	5767

Language	Code
L-N	
Laothian	5861
Latin	5847
Latvian;Lettish	5868
Lingala	5860
Lithuanian	5866
Macedonian	5957
Malagasy	5953
Malay	5965
Malayalam	5958
Maltese	5966
Maori	5955
Marathi	5964
Moldavian	5961
Mongolian	5960
Nauru	6047
Nepali	6051
Norwegian [NOR]	6061
O-R	
Occitan	6149
Oriya	6164
Oromo(Afan)	6159
Panjabi	6247
Pashto;Pushto	6265
Persian	5247
Polish	6258
Portuguese [POR]	6266
Quechua	6367
Rhaeto-Romance	6459
Romanian [RUM]	6461
Russian [RUS]	6467
S	
Samoan	6559
Sangho	6553
Sanskrit	6547
Scots Gaelic	5350
Serbian	6564
Serbo-Croatian	6554
Sesotho	6566
Setswana	6660
Shona	6560
Sindhi	6550
Singhalese	6555
Siswat	6565
Slovak	6557
Slovenian	6558
Somali	6561
Spanish [SPA]	5165
Sundanese	6567
Swahili	6569
Swedish [SWE]	6568
T	
Tagalog	6658
Tajik	6653
Tamil	6647
Tatar	6666
Telugu	6651
Thai	6654
Tibetan	4861
Tigrinya	6655
Tonga	6661
Tsonga	6665
Turkish [TUR]	6664
Turkmen	6657
Twi	6669
U-Z	
Ukrainian	6757
Urdu	6764
Uzbek	6772
Vietnamese	6855
Volapuk	6861
Welsh	4971
Wolof	6961
Xhosa	7054
Yiddish	5655
Yoruba	7161
Zulu	7267

If you choose a language that has a 3 letter language code, the code will be displayed every time you change the AUDIO or SUBTITLE language setting above. If you choose any other languages, '---' will be displayed instead. (3 letter language code is written in bracket.)

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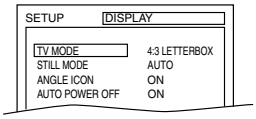
B DISPLAY SETTING

You can change certain aspects of the DVD display screens and on-screen messages on the TV screen.

Follow steps **1** to **2** in the "CUSTOM MENU" section on page 26.

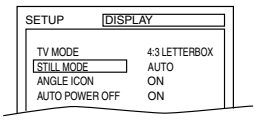
3 Press [▲ / ▼] to select the below items then hit [ENTER].

TV MODE: QUICK



- Press **[▲ / ▼]** for an item selection, then hit **[ENTER]**.
- Select "4:3 LETTER BOX" for black bars to appear on top and bottom of the screen.
- Select "4:3 PAN & SCAN" for a full height picture with both sides trimmed.
- The default setting is "4:3 LETTER BOX".

STILL MODE:



- Press **[▲ / ▼]** for an item selection, then hit **[ENTER]**.
- Select "AUTO" normally.
- If you select "FIELD", the picture in the still mode will be stabilized.
- If you select "FRAME", the picture in the still mode will be highly defined.

ANGLE ICON:

- Hit **[ENTER]** repeatedly to turn Angle icon "ON" or "OFF".
- The default setting is "ON".

AUTO POWER OFF:

- Hit **[ENTER]** repeatedly to turn Auto Power off "ON" or "OFF".
- The default setting is "ON" and the screen saver program starts when there is no input from the unit for 5 minutes in the stop mode. After the screen saver program is activated for 15 minutes, the power is automatically turned off.

4 Hit [SETUP] to exit the menu.

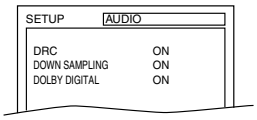
C AUDIO SETTINGS

Choose the appropriate Audio settings for your equipment as it only affects during the playback of DVD

Follow steps **1** to **2** in the "CUSTOM MENU" section on page 26.

3 Press [▲ / ▼] to select the below items then hit [ENTER].

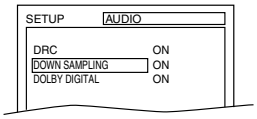
DRC (Dynamic Range Control):



- To compress the range of soft to loud sound.
- The default setting is "ON".

DOWN SAMPLING:

- ON : Output in 48 kHz. (default)
- OFF : Output the original sound.

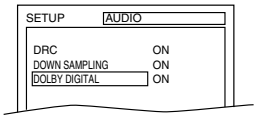


When playing disc with copyright Protection

- If you select "OFF", copyright protection will be activated and sound will be down sampled at 48kHz.

DOLBY DIGITAL: QUICK

Set to "ON" when the unit is connected to a Dolby Digital Decoder.



- ON : Output a Dolby Digital signal (default)
- OFF : Convert the Dolby Digital to PCM (2 channel stereo)

4 Hit [SETUP] to exit the menu.

TV SETUP MENU IN DVD MODE

- Language setting for on-screen menus is only available in TV SETUP menu. You can access it by hitting **[SETUP]** in DVD mode (Refer to "MENU LANGUAGE" on page 17.
- "CHANNEL SETUP" menu is not operative in DVD mode although it is displayed on the screen. Press **[SELECT]** to move to TV mode first, then follow steps in "CHANNEL RESETTING" on page 16.

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D PARENTAL CONTROL

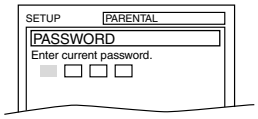
Parental Control limits the disc viewing that exceed your setting (with a password or playback will stop). This feature allows you to prevent discs with alternative scenes from being played by your children.

PARENTAL LEVEL

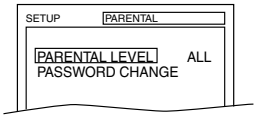
Parental Level allows you to set the rating level of your DVD discs. Playback will stop if the disc's ratings exceed the level you set.

Follow the steps ***1*** to ***2*** in the "CUSTOM MENU" section on page 26.

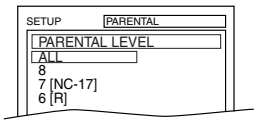
3 **Enter your four-digit password then hit [ENTER].**



4 **Press [▲ / ▼] to select "PARENTAL LEVEL" then hit [ENTER].**



5 **Press [▲ / ▼] to select the desired level then hit [ENTER].**



6 **Hit [SETUP] to exit the menu.**

NOTES:

- When doing this for the first time, enter any 4 digits. (except for 4737) That number will be used as the password.
- To change the password, press **[▲ / ▼]** to select "PASSWORD CHANGE" at step ***4*** then hit **[ENTER]**. Enter the four-digit password, then hit **[ENTER]**.
- With some DVDs, it may be difficult to find if they are compatible with parental lock. Be sure to check if the parental lock function operates in the way that you have set.
- Record the password in case you forget it.

CONTROL LEVELS

- **ALL**
  All parental lock is cancelled.
- **Level 8**
  DVD software of any grade (adult/general/children) can be played back.
- **Levels 7 to 2**
  Only DVD software intended for general use and children can be played back.
- **Level 1**
  Only DVD software intended for children can be played back, with those intended for adult and general use prohibited.

IF YOU FORGET THE PASSWORD

1 **Hit the number buttons [4], [7], [3], [7] at step *3*. Then enter your new password.**

- Password will be cleared and parental level will be set to "ALL".

2 **Proceed with steps *4* to *6* again.**

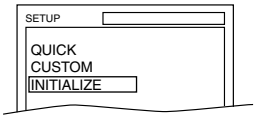
INITIALIZE

DVD-V

This allows you to return all selections of SETUP (except for "PARENTAL" and **menu language**) to their default settings.

1 **Hit [SETUP] twice in STOP mode so that the "INITIALIZE" menu appears.**

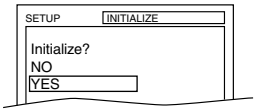
2 **Press [▲ / ▼] to select "INITIALIZE" then hit [ENTER].**



3 **Select "YES" then hit [ENTER] twice.**

All the settings (except for "PARENTAL" and **menu language**) will be cleared.

- To cancel the initialization, select "NO".



4 **Hit [SETUP] to exit the menu.**

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TROUBLESHOOTING GUIDE

If the unit does not perform properly when operated as instructed in this Owner's Manual, check the player, consulting the following checklist.

Problem	Corrective Action
No power.	• Make sure the power plug is connected to an AC outlet. • Make sure the power is turned on.
The unit does not respond to the remote control.	• Check if the power plug is connected to an AC outlet. • Check the batteries in the remote control. • Aim the remote control directly at the remote sensor. If necessary, remove all the obstacles between the sensor and the remote. • You have to be within 23 feet of the unit. • Check if the correct mode is selected. If not switch the mode by hitting **[SELECT]**, whichever you need.

TV Mode

Sometimes a performance problem can be easily solved by checking seemingly apparent but often overlooked possibilities. Before arranging for service, check these items. It could save your time and money.

Problem	Corrective Action
No Picture or Sound	• Try a new channel, if OK, then possible station trouble. • Make sure the power is turned on. • Hit **[SELECT]** on the remote control to select TV mode. Then try other TV feature. • Is antenna connected to terminal on the back of the set? • If outside antenna is being used, check for broken wire. • Check for broken pin of the antenna cable.
Bars On Screen	• If outside antenna is being used, check for broken wire. • Check for local interference.
Picture Distorted or Blurred	• Try a new channel, if OK, then possible station trouble. • If outside antenna is being used, check for broken wire.
Picture Rolls Vertically Lines or Streaks in Picture	• Try a new channel, if OK, then possible station trouble. • If outside antenna is being used, check for broken wire. • Check for local interference.
No Color	• Try a new channel, if OK, then possible station trouble. • Is antenna connected to jack on the back of the set? • If outside antenna is being used, check for broken wire. • Adjust "COLOR" control.
Poor Reception on Some Channels Ghosts in Picture	• Try a new channel, if OK, then possible station trouble. • Is antenna connected to jack on the back of the set? • If outside antenna is being used, check for broken wire. • Check for local interference.
Weak Picture	• Try a new channel, if OK, then possible station trouble. • Is antenna connected to jack on the back of the set? • If outside antenna is being used, check for broken wire. • Adjust "CONTRAST" & "BRIGHT" control.
Sound OK, Picture Poor	• Try a new channel, if OK, then possible station trouble. • Is antenna connected to jack on the back of the set? • If outside antenna is being used, check for broken wire. • Check for local interference. • Adjust "CONTRAST" & "BRIGHT" control.
Picture OK, Sound Poor	• Try a new channel, if OK, then possible station trouble. • Check for local interference.
Different color marks on screen.	• Magnetism from nearby appliances and geomagnetism might affect the color of the TV picture. Move the unit away from the appliances, the unit can repair itself automatically. If you want to repair immediately, unplug the unit power cord, then plug it in again 30 minutes or so later.

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DVD Mode

Problem	Corrective Action
No picture	• Insert a correct video disc that plays on this unit. • Hit **[SELECT]** on the remote control to select DVD mode. Next, press **[PLAY ▷]** or **[OPEN/CLOSE ⏏]**. Then, try other DVD feature.
Disc cannot be played	• Insert the disc. • Clean the disc. • Place the disc correctly, with the label side up. • Cancel the parental lock or change the control level.
No sound	• Connect the audio cables firmly. • Turn the power of the audio component on. • Correct the audio output settings. • Correct the input settings on the audio component.
No DTS audio is output	• This unit does not support DTS audio. This is not a malfunction.
Distorted picture	• There are some cases where pictures may be slightly distorted, which are not a sign of a malfunction. • Although pictures may stop for a moment, this is not a malfunction.
Audio or subtitle language does not match the set up	• The selected language is not available for audio or subtitles on the DVD. This is not a malfunction.
The camera angle cannot be changed	• The DVD does not contain sequences recorded from different camera angles. This is not a malfunction.
Audio or subtitle language cannot be changed	• The DVD does not contain audio source or subtitles in the selected language. This is not a malfunction.
"Prohibited icon" appears on the screen, prohibiting an operation	• That operation is prohibited by the unit or the disc. This is not a malfunction.
CD sound dropout No CD reproduction DVD picture dropout DVD picture freeze DVD picture in mosaic No DVD reproduction	• Scratched disc. Replace the disc with an unscratched one.

NOTES:

- Some functions are not available in specific modes, but this is not a malfunction. Read the description in this Owner's Manual for details on correct operations.
- Playback from a desired track and random playback are not available during program playback.

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MAINTENANCE

CABINET CLEANING

- Wipe the front panel and other exterior surfaces of the unit with a soft cloth immersed in lukewarm water and wrung dry.
- Never use a solvent or alcohol. Do not spray insecticide liquid near the unit. Such chemicals may cause damage and discoloration to the exposed surfaces.

SERVICING

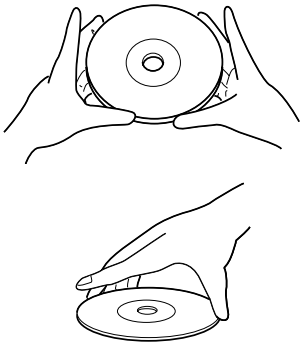
- Should your unit become inoperative, do not try to correct the problem by yourself. There are no user-serviceable parts inside. Turn off, unplug the power cord and **please call our help line at 1-800-256-2487** to locate an Authorized Service Center.

IF THE LASER OPTICAL PICKUP UNIT IS DIRTY

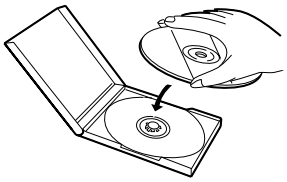
- If the player still does not perform properly when it is operated while referring to the relevant sections and to "TROUBLESHOOTING GUIDE" in this Owner's Manual, the laser optical pickup unit may be dirty. Consult your dealer or an Authorized Service Center for inspection and cleaning of the laser optical pickup unit.

DISC HANDLING

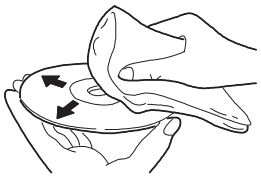
- Handle the discs so that fingerprints and dust do not adhere to the surfaces of the discs.

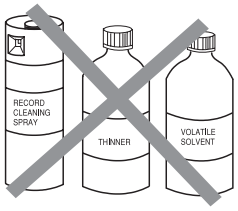


- Always store the disc in its protective case when it is not used.



- To clean-off, use a soft cloth.
- Do not use a hard cloth since this will mar the disc.
- Wipe the disc in a straight line from center to edge.
- Never wipe with a circular motion.
- Do not use detergent or abrasive cleaning agents.





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SPECIFICATIONS

GENERAL SPECIFICATIONS

TV

CRT :	9 inch in-line gun, 90˚ deflection tube
Television system:	NTSC-M TV Standard
Channel coverage:	
VHF:	2 ~ 13
UHF:	14 ~ 69
CATV:	2 ~13, A ~ W, W+1 ~ W+84, A-5 ~ A-1, 5A
Tuning System:	181 channel frequency synthesized tuning system
Channel access:	Direct access keyboard, programmable scan and up/down

DVD

Discs:	DVD video, Audio CD
Output signal format:	NTSC color

ELECTRICAL SPECIFICATIONS

Sound output:	2 speakers, 1W, 8 ohm

OTHER SPECIFICATIONS

Terminals	
Antenna input:	VHF/UHF/CATV 75 ohm unbalanced (F-type)
Video input:	RCA connector × 1
Audio L/R input:	RCA connector × 2
Headphone:	1/8" stereo (3.5 mm)
Coaxial digital audio output (only DVD):	One pin jack, 500m Vpp (75 ohm)
Remote control:	Digital encoded infrared light system
Operating temperature:	5°C to 40°C (41°F~104°F)
Power requirement :	AC 120V/60Hz DC 13.2V
Power consumption : (Maximum)	AC 55W / DC 60W
Dimensions:	H:12-1/4" (311mm) W:10-7/8" (276mm) D:12-1/2" (318mm)
Weight:	17.6 lbs. (8.0 kg)

- **Designs and specifications are subject to change without notice.**
- **If there is a discrepancy between languages, the default language will be English.**

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CONTROLES DE OPERACIÓN Y FUNCIONES

PANEL FRONTAL DE LA UNIDAD

Consulte la figura 1 de la página 8

MANDO A DISTANCIA

Consulte la figura 2 de la página 8

VISTA POSTERIOR

Consulte la figura 3 de la página 8

1. Bandeja de carga del disco

2. Toma de entrada VIDEO
Conecte aquí la toma de salida de vídeo de una videocámara o de una videograbadora.

3. Tomas de entrada AUDIO L/R
Conecte aquí las tomas de salida de audio de una videocámara o de una videograbadora.

4. Botón POWER
Presione para encender y apagar la unidad.

5. Botones VOLUME (VOL.) ▲ / ▼
Presione para controlar el nivel del volumen para el DVD y el televisor.

6. Botones CHANNEL (CH.) ▲ / ▼
Presione para seleccionar el canal memorizado.
Presione para cambiar a un modo de televisor cuando esta en el modo de DVD.

7. Ventanilla del sensor del mando a distancia

8. Botón ■ STOP
Detiene la operación del disco.

9. Botón |◄◄ SKIP
Reproduce desde el inicio del capítulo o canción actual.
Botón ◄◄ SEARCH (panel frontal)
Durante la reproducción o en el modo de pausa, mantenga presionado el botón durante unos segundos para cambiar la velocidad de reproducción hacia atrás.

10. Botón ► PLAY
Inicia la reproducción del contenido del disco.
Presione para cambiar a un modo de DVD cuando esta en el modo de televisor.

11. Botón SKIP ►►|
Reproduce desde el inicio del siguiente capítulo o canción.
Botón SEARCH ►► (panel frontal)
Durante la reproducción o en el modo de pausa, mantenga presionado el botón durante unos segundos para cambiar la velocidad de reproducción en avance.

12. Botón ❚❚ PAUSE
Hace una pausa en la operación del disco.

13. Botón ▲ OPEN/CLOSE
Presione para insertar un disco en la bandeja o retirarlo de ella.

14. Toma HEADPHONE
Para conectar auriculares (no suministrados) y escuchar en privado.

15. Botón MODE
Activa el modo de reproducción programada o el modo de reproducción aleatoria cuand se reproducen CDs.

16. Botones numérios
Modo del televisor:
Presione dos dígitos para tener acceso directamente al canal deseado.
Recuerde presionar **[0]** antes de elegir un canal de un solo dígito.
Botón +100
Presione para seleccionar canales de televisión por cable cuyo número sea superior a 99.
Modo DVD:
Presione para introducir el número deseado.
Botón +10
Presione para introducir números superiors a 9.

17. Botón SLEEP
Ajusta el temporizador de dormir.

18. Botón REV ◄◄
Presione para volver rápidamente en el disco.
Presione **[PAUSE ❚❚]** y presione este botón para empezar la reproducción en cámara lenta. Presione repetidamente este botón para cambiar la velocidad de retroceso de la cámara lenta.
Botón FWD ►►
Presione para avanzar rápidamente en el disco.
Presione **[PAUSE ❚❚]** y presione este botón para empezar la reproducción en cámara lenta. Presione repetidamente este botón para cambiar la velocidad de avance de la cámara lenta.

19. Botón V.SURR (envolvente virtual)
Presione para activar/desactivar el envolvente virtual.

20. Botón SETUP
Presione para entrar o salir del menú de configuración de televisor o DVD.

21. Botón TITLE
Visualiza el menú de títulos.

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22. Botón CLEAR
Para cancelar o borrar un ajuste entrado actualmente.

23. Botón DISPLAY
Modo del televisor:
Presione para visualizar el número del canal en la pantalla. Si presiona de nuevo, el número del canal desaparecerá.
Modo de DVD:
Visualiza el estado actual en la pantalla del televisor.

24. Botón SEARCH MODE
Presione para localizar un punto deseado.

25. Botón AUDIO
Presione para seleccionar un idioma de audio o un modo de sonido deseado.

26. Botón SUBTITLE
Presione para seleccionar un idioma de subtítulos deseado.

27. Botón REPEAT
Repite la reproducción del disco, título, capítulo o pista actual.

28. Botón ANGLE
Presione para cambiar el ángulo de la cámara y ver, desde un ángulo diferente, la secuencia que está siendo reproducida (si existe).

29. Botón A-B
Repite la reproducción de una sección seleccionada.

30. Botón RETURN
Permite volver a la pantalla anterior en el modo de configuración.

31. Botón ENTER
Presione para establecer un ajuste.

32. Botones ▲ / ▼ / ◄ / ►
Modo de televisor:
Presione para seleccionar un modo de ajuste desde el menú que aparece en la pantalla del televisor.
Presione para seleccionar o ajustar desde un menú particular.
Modo de DVD:
Presione para seleccionar un ítem de menú.

33. Botón DISC MENU
Muestra menú del DVD.

34. Botón SELECT
Presione para cambiar a un modo de televisor, modo de entrada externa o modo de DVD.

NOTA: Cuando seleccione el modo DVD con este botón, Presione primero **[PLAY ▷]** u **[OPEN/CLOSE ⏏]**. De lo contrario, las funciones del DVD no se activarán.

35. Botón MUTE
Suprime la salida de sonido. (La visualización del nivel del sonido cambia de ROJO CLARO a AZUL CLARO.) Presione este botón de nuevo o **[VOL. △ / ▽]** para restaurar el sonido.

36. Botón PICTURE
Presione para entrar en el modo de ajuste de imagen.

37. Cable de alimentación
Conéctelo a una toma de CA convencional (120 V/60 Hz).

38. Toma COAXIAL (DVD Audio solamente)
Conecte a la entrada digital de un amplificador o decodificador externo.

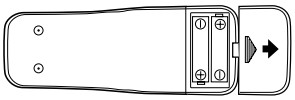
39. Toma ANT.
Conecte a una antena, sistema de televisión por cable o sistema de satélite.

40. Toma DC 13,2V
Conecte en el cable de batería del coche.

NOTA: Retire el cable de alimentación del gancho para evitar romperlo antes de conectarlo a una toma de CA convencional.

PARA INSERTAR LAS PILAS

1) Abra la cubierta del compartimiento de las pilas empujando la cubierta del mando a distancia en el sentido de la flecha.
2) Inserte 2 pilas “AA” en el compartimiento de las pilas, en el sentido indicado por las marcas de polaridad (+/-).



3) Vuelva a poner la cubierta.

[PRECAUCIONES DE LA PILA]

- Asegúrese de respetar la polaridad correcta tal como se indica en el compartimiento de pilas. Si las pilas están invertidas puede provocar daños en el equipo.
- No mezcle distintos tipos de pilas al mismo tiempo (por ejemplo, pilas alcalinas y de carbón cinc) o pilas nuevas y viejas.
- Si el equipo no se utiliza durante mucho tiempo, saque las pilas para evitar daños o heridas de una posible fuga de pilas.
- No trate de recargar pilas no diseñadas para recarga; pueden calentarse excesivamente y romperse.

PREPARACIÓN PARA LA UTILIZACIÓN

CONEXIONES DE ANTENA/CABLE

Consulte la figura 4 de la página 10

Nota para el instalador de sistemas CATV
Esta nota tiene la finalidad de llamar la atención del instalador de sistemas CATV para que tenga en cuenta el Artículo 820-40 del NEC, el cual proporciona consejos para hacer una conexión a tierra apropiada y, en particular, especifica que la tierra del cable deberá estar conectada al sistema de puesta a tierra del edificio, tan cerca del punto de entrada del cable como sea posible.

NOTA:
Antes de enchufar la antena a la toma ANT. de la unidad, compruebe que la clavija no esté doblada. Si esta doblada, póngala derecha como se muestra en la ilustración, y luego conéctela en la toma ANT. de la unidad.

(Necesita enderezarse) **(Clavija derecha)**

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ANTENA COMBINADA DE VHF/UHF

La antena combinada de VHF/UHF de 75 ohmios puede conectarse a la toma ANT.

ANTENA SEPARADAS DE VHF/UHF

En algunas zonas será necesario utilizar una antena exterior.

TELEVISION POR CABLE SIN CAJA DE CONVERTIDOR / DECODIFICADOR

Utilice esta conexión si su sistema de televisión por cable se conecta directamente a su unidad sin una caja de convertidor. Utilice el mando a distancia de la unidad para seleccionar los canales.

TELEVISION POR CABLE CON CAJA DE CONVERTIDOR/DECODIFICADOR O CAJA DE SATÉLITE

Si su empresa de televisión por cable le suministra una caja de convertidor, o si usted utiliza un sistema de satélite, podrá utilizar la conexión básica mostrada aquí.

La selección de los canales deberá hacerse con la caja de convertidor o con la caja de satélite. Esto significa que los canales no se podrán cambiar utilizando el mando a distancia de la unidad.

NOTA:

- **Para su seguridad y para evitar que se dañe la unidad, desenchufe el cable de antena de la toma ANT. antes de mover la unidad.**

LA ANTENA INTERIOR

La antena interior (suministrada) es desmontable. Inserte el vástago de la antena en el orificio de la parte posterior superior de la unidad. Conecte la antena interior a la unidad. Para obtener la mejor recepción, extienda completamente la antena interior y luego haga los ajustes necesarios. (Evite tocar la sección superior cuando haga los ajustes.)

NOTA:

- La conexión de una antena interior puede no dar siempre una recepción de TV aceptable.

Consulte la figura 5 de la página 10

CONEXIÓN A TOMAS DE ENTRADA EXTERNA

Cuando vea un programa grabado en otra fuente (videograbadora o videocámara), utilice las tomas de entrada de audio/vídeo de la parte delantera de la unidad.

Conecte las tomas de salida de audio/vídeo de otra fuente a las tomas AUDIO L/R y VIDEO de esta unidad.

Después presione [SELECT] hasta que aparezca "AUX" en la pantalla.

Consulte la figura 6 de la página 11

NOTA:

- Cuando conecte una videograbadora monofónica (otra fuente) a esta unidad, conecte la toma de salida de audio de la videograbadora monofónica (otra fuente) a la toma AUDIO L de esta unidad. El audio saldrá igualmente por los canales izquierdo y derecho.

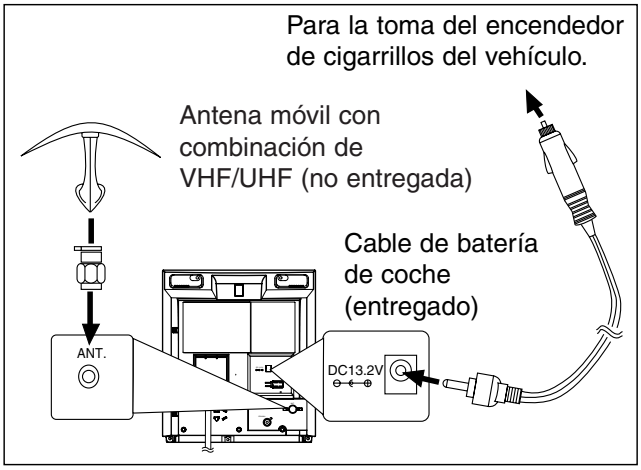
CONEXIÓN MOVIL

ADVERTENCIA: El conductor nunca debe mirar la unidad mientras conduce un vehículo.

PRECAUCION:

- **Cuando se utiliza en un vehículo en movimiento, cerciórese que la unidad está asegurada en todo momento para evitar que sufra heridas. Consulte con un instalador profesional.**
- **Si utiliza la unidad con el motor del vehículo parado, vuelva a cargar la batería del vehículo después de unas 4 horas de uso para evitar que se agote. Después de terminar de utilizar la unidad cerciórese de desenchufar el cable de batería de coche de la toma del encendedor de cigarrillos.**
- **No utilice esta unidad durante la conducción.**
- **No deje la unidad en un coche.**
- **Esta unidad no fue diseñado para utilizar en un coche.**

1) La antena interior entregada es adecuada cuando el vehículo está estacionado. Para una mejor recepción en la calle o carretera, utilice una antena de TV móvil de VHF/UHF de alta calidad.
2) Enchufe el cable de batería de coche en el conector DC13,2 V (12V) en la parte trasera de la unidad.


Para la toma del encendedor de cigarrillos del vehículo.
Antena móvil con combinación de VHF/UHF (no entregada)
Cable de batería de coche (entregado)
ANT.
DC13.2V

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NOTAS:

- Cerciórese que su vehículo tiene un sistema eléctrico con tierra negativa de 13,2 voltios (12 voltios).
- Cerciórese de utilizar sólo el cable de batería de coche entregado. El uso de otros cables puede dañar la unidad.
- Cerciórese que la toma está limpia de cenizas y otros restos.
- Cerciórese de enchufar firmemente el cable de batería de coche en la toma del encendedor de cigarrillos.
- Desenchufe siempre la batería del coche de la toma del encendedor de cigarrillos antes de desenchufarlo de la unidad.
- Debe desconectar el cable de batería de coche de la unidad antes de poder utilizar la electricidad de CA.
- Cerciórese de cambiar el fusible sólo por uno del mismo tipo, 6A, 250V.

CONEXIÓN A UN AMPLIFICADOR ESTÉREO EQUIPADO CON TOMAS DE ENTRADA DIGITAL (Para DVD)

Utilice un cable digital coaxial de audio (disponible en el comercio) para hacer las conexiones de audio. Conecte a un amplificador equipado con tomas de entrada digital como platina MD o DAT.

Consulte la figura 7 de la página 12

NOTAS:

- La fuente de audio de un disco en un formato de sonido envolvente Dolby Digital de 5,1 canales no se puede grabar como sonido digital mediante una platina MD o DAT.
- Asegúrese de apagar todos los componentes del sistema antes de conector otro componente.
- Consulte los manuales del propietario de los componentes que va a conectar a la unidad.
- Ponga DOLBY DIGITAL en “APDO.” para la salida de audio en el modo de preparación. La reproducción en una unidad utilizando ajustes incorrectos puede provocar distorsión por ruido, y también se pueden dañar los altavoces.

CONEXCIÓN A UN DECODIFICADOR DOLBY DIGITAL (Para DVD)

Si utiliza esta unidad para reproducir un disco DVD en un formato de sonido envolvente Dolby Digital de 5,1 canales, la unidad dará salida a un flujo de datos DOLBY DIGITAL desde su toma COAXIAL. Si conecta la unidad a un decodificador Dolby Digital, podrá disfrutar de una tonalidad más convincente y real, con un sonido envolvente potente y de alta calidad similar al de los cines.
Utilice cables digitales coaxiales de audio (disponibles en el comercio) para hacer las conexiones de audio.

Consulte la figura 8 de la página 13

NOTAS:

- Asegúrese de apagar todos los componentes del sistema antes de conector otro componente.
- Consulte los manuales del propietario de los componentes que vaya a conectar a la unidad.
- Si conecta un decodificador Dolby Digital, ponga DOLBY DIGITAL en “ENC.” para la salida de audio en el modo de preparación.
- A menos que se haga la conexión a un decodificador Dolby Digital, ponga DOLBY DIGITAL en “APDO.” para la salida de audio en el modo de preparación. La reproducción en la unidad utilizando ajustes incorrectos puede generar distorsión de ruido, y también puede estropear los altavoces.

Fabricado bajo licencia de Dolby Laboratories. “Dolby” y el símbolo de la D doble son marcas de fábrica de Dolby Laboratories.

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SECCIÓN DE TV

FUNCIONES Y AJUSTES DE TV

AJUSTES PARA LA PRIMERA VEZ

TV

1 Enchufe el cable eléctrico

Enchufe el cable de alimentación de la unidad en una toma de CA.

NOTA:

• Si aparecen algunos dígitos en la esquina de la pantalla, presione **[POWER]** sin desenchufar el cable de la alimentación.

2 Encienda la unidad

Presione **[POWER]** para encender la unidad.

3 Seleccione el idioma de la pantalla

Presione **[▲ / ▼]** para apuntar a “LANGUAGE”. Luego, Presione **[ENTER]** para seleccionar “ENGLISH” = inglés o “ESP” = español o “FRA” = francés. “[ ]” indica el idioma seleccionado.

4 Inicie el preajuste automático

Presione **[▲ / ▼]** para apuntar a “AUTOPRESELECCION”. Luego, presione **[ENTER].** El sintonizador explora y memoriza todos los canales activos de su zona.

NOTAS:

• La unidad distingue entre los canales de TV estándar y los canales de televisión por cable (CATV).

• La unidad puede memorizar canales de TV como canales de CATV si las condiciones de la recepción no son buenas. Si pasa esto, vuelve a intentar la acción “AUTOPRESELECCION” cuando las condiciones de la recepción sean mejores.

5 Tras la exploración

El sintonizador se detiene en el canal memorizado más bajo. Puede seleccionar el canal deseado directamente con **los botones numéricos** o **[CH. ▲ / ▼]**.

NOTA:

• NO es necesaria la programación de memoria de canal cuando se conecta a una caja de cable o caja de satélite. Sólo seleccione el selector de canal de la unidad al canal de salida de la caja de cable o caja de satélite (por ejemplo, CH3) y seleccione el canal a ver en la caja de cable o caja de satélite.

MIRANDO UN PROGRAMA DE TV

TV

1 Encienda la unidad

Presione **[POWER]** para encender la unidad.

2 Seleccione el número de canal

Presione **[CH. ▲ / ▼]** para seleccionar su número de canal o presione **los botones numéricos**.

Nota para el uso de los botones numéricos:

• Cuando seleccione los canales de cable que sean más altos que 99, presione primero **[+100]** y presione las últimas dos cifras. (Ejemplo: para seleccionar el canal 125, primero presione **[+100]** y después presione **[2]** y **[5]**).

• Debe colocar un cero antes de los números de canal de una cifra. (Por ejemplo: 02, 03, 04, etc.)

3 Ajuste el sonido

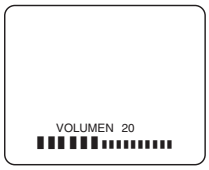
Presione **[VOL. △ / ▽]** para ajustar el volumen.

Presione **[MUTE]** para silenciar inmediatamente el sonido.

Vuelva a pulsar nuevamente para recuperar el nivel de sonido anterior.

NOTA:

• Si presiona **[CH. ▲ / ▼]** en el modo DVD, puede cambiar los canales de TV.
Incluso si apaga la unidad en el modo DVD, cuando vuelve a encender, volverá al modo de TV.



PARA VER CANALES DE CABLE O SATELITE

• Si la unidad está conectada a una caja de cable o caja de satélite, presione **[CH. ▲ / ▼]** para seleccionar CH3 o CH4 de acuerdo con el ajuste de canal de salida del equipo y seleccione el canal deseado en ese equipo.

PARA VER LA ENTRADA EXTERNA

• Cuando hay un equipo conectado a las tomas de entrada AUDIO/VIDEO delanteras, presione repetidamente **[SELECT]** o **[CH. ▲ / ▼]** hasta que aparezca “AUX” en la pantalla.

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SECCIÓN DE DVD

REPRODUCCIÓN DE UN DISCO

REPRODUCCIÓN BÁSICA

DVD-V CD

Para empezar

- Conecte el interruptor del amplificador y otros equipos, si fuera necesario.

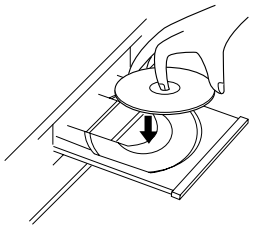
1 Presione [POWER].

- La alimentación se conectará.

2 Presione [OPEN/CLOSE ⏏].

- La bandeja de carga del disco se abrirá.

3 Ponga el dlsco en la bandeja con el lado de la eliguta hacia arriba.



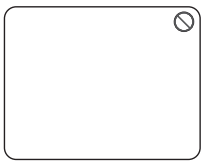
4 Presione [PLAY ▷].

- La bandeja se cerrará automáticamente y la reproducción comenzará desde el primer capítulo o pista del disco.
- La reproducción también empieza cerrando manualmente la bandeja del disco o presionando **[OPEN/CLOSE ⏏]**.
- Si la reproducción no comienza automáticamente, presione **[PLAY ▷]**.
- Cuando reproduzca un DVD que tenga grabado un menú de títulos, el menú podrá aparecer en la pantalla.

5 Presione [STOP ■] para detener la reproducción.

NOTAS:

- Cuando se cambió el modo de DVD al modo de TV, el modo de DVD se desactiva primero y aparece la imagen y sonido de TV después de unos 4 segundos. De la misma forma, cuando se pulsa **[POWER]** para apagar en el modo de DVD, este modo se desactiva primero y después se apaga la electricidad.
- Puede aparecer un "icono prohibitivo" en la esquina superior derecha de la pantalla de TV durante el funcionamiento, avisándole que hubo una operación prohibida en el DVD o el disco.



- Con los DVD que utilizan títulos para las señales de programa de reproducción, la reproducción puede empezar del segundo título o puede saltar estos títulos.
- Durante la reproducción de un disco de dos capas, las imágenes pueden parar durante un momento. Esto se produce cuando la 1º capa cambia a la 2º capa. Esto no es una avería.

MENÚ DE DISCO

DVD-V

1 Presione [DISC MENU].

- Aparecerá el menú principal de DVD.

2 Si no existe la función, puede aparecer el símbolo ⃠ en la pantalla de TV.

3 Si existe un menú de disco en el disco, el idioma de audio, opciones de subtítulos, capítulos para el título y otras opciones aparecerán para su selección.

4 Presione [▲ / ▼ / ◀ / ▶] para seleccionar un ítem y presione [ENTER] para confirmar la selección.

REANUDACIÓN

DVD-V CD

1 Durante la reproducción, presione [STOP ■].

- Aparecerá el mensaje de continuación en la pantalla de TV.

2 Presione [PLAY ▷], la reproducción continuará desde el punto en el que se paró la reproducción.

- Para cancelar la continuación, presione dos veces **[STOP ■]**.
- Si se apaga la unidad, se cancelará la función de continuación.

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MEMO

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